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Modular Training Standards

## **Surface Miner**

Program #770210



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Printing date: August 2008

This document is the property of the trainee/  
employee named inside and represents the official  
record of his/her training.



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**COMPETENCY ANALYSIS PROFILE**  
**SURFACE MINER – PROGRAM #770210**

**AREAS of COMPETENCY**

<b>WORK SAFELY IN THE JOB ENVIRONMENT</b>	Wear, adjust and maintain personal protective equipment	Wear, adjust and maintain fall arrest systems	Deal with hazardous or potentially hazardous conditions in the work place	Work safely around hazardous materials	Manually lift and carry materials and/or supplies
<b>5030.0</b>	5030.01	5030.02	5030.03	5030.04	5030.05
Work around mobile equipment	Operate communication equipment	Work from elevated work stations.	Work in elevated areas	Work safely around /on/with stock piles of unconsolidated loose natural or processed material	Identify and respond to stockpile conditions
5030.06	5030.07	5030.08	5030.09	5030.10	5030.11
Work in and around water	Practice good housekeeping	Work around stationary and portable equipment	Follow company emergency procedures	Perform traffic control	
5030.12	5030.13	5030.14	5030.15	5030.16	
<b>PERFORM GENERAL LOCK OUT AND TAG ON PRIME MOVERS AND OTHER RELATED EQUIPMENT</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Identify prime mover(s) and other related equipment to be locked out and tagged for repair, maintenance/inspection, and/or clean up	De-energize system and other related equipment to ensure a zero energy state	Lock out and tag prime mover(s) and other related equipment	Verify zero energy state to prevent unexpected movement,
<b>5031.0</b>	5031.01	5031.02	5031.03	5031.04	5031.05
Perform work to be done while prime mover(s) and other related equipment/machinery is blocked	Remove lock and tag	Energize prime mover(s) and other related equipment			
5031.06	5031.07	5031.08			

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<b>OPERATE HAND AND POWER TOOLS</b>	Operate hand tools using personal protective equipment	Maintain and store hand tools	Inspect and set up electrically powered hand tools.	Operate electrically powered hand tools	Maintain and store electrically powered hand tools
<b>5032.0</b>	5032.01	5032.02	5032.03	5032.04	5032.05
Inspect and set up pneumatic and/or hydraulic hand tools	Operate pneumatic and/or hydraulic hand tools	Maintain and store pneumatic and/or hydraulic hand tools			
5032.06	5032.07	5032.08			
<b>OPERATE ELEVATING WORK PLATFORM</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Set up and secure elevating work platform	Conduct pre-operational checks on elevating work platform	Mount/Dismount elevating work platform	Conduct operational checks on elevating work platform
<b>5033.0</b>	5033.01	5033.02	5033.03	5033.04	5033.05
Access personnel platform	Operate controls to access work position	Work from the platform	Refuel elevating work platform	Shut down elevating work platform	Secure lifting device
5033.06	5033.07	5033.08	5033.09	5033.10	5033.11
<b>OPERATE HYDRAULIC EXCAVATOR</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Conduct pre-operational checks on hydraulic excavator	Start up hydraulic excavator	Conduct operational checks hydraulic excavator	Travel hydraulic excavator to the job site
<b>5034.0</b>	5034.01	5034.02	5034.03	5034.04	5034.05
Operate hydraulic excavator on a firm base	Operate hydraulic excavator to stockpile materials and/or remove material from stockpile	Load haulage vehicle	Shut down hydraulic excavator in an emergency situation	Shut down hydraulic excavator in a normal situation or when exiting vehicle	Refuel hydraulic excavator
5034.06	5034.07	5034.08	5034.09	5034.10	5034.11
Perform minor maintenance and adjustments on hydraulic excavator					
5034.12					

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<b>OPERATE SKID STEER</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Conduct pre-operational checks on skid steer	Start up skid steer	Conduct operational checks on skid steer	Travel skid steer to the job site
<b>5035.0</b>	5035.01	5035.02	5035.03	5035.04	5035.05
Operate skid steer to load and unload materials/supplies	Operate skid steer to stockpile materials	Shut down skid steer in an emergency situation	Shut down skid steer in a normal situation or when exiting vehicle	Refuel skid steer	Perform minor maintenance and adjustments on skid steer
5035.06	5035.07	5035.08	5035.09	5035.10	5035.11

<b>OPERATE BULLDOZER</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Conduct pre-operational checks on bulldozer	Start up bulldozer	Conduct operational checks on bulldozer	Travel bulldozer to job site
<b>5036.0</b>	5036.01	5036.02	5036.03	5036.04	5036.05
Operate bulldozer to move product/materials	Operate bulldozer to stockpile materials	Shut down bulldozer in an emergency situation	Shut down bulldozer in a normal situation or when exiting vehicle	Refuel bulldozer	Perform minor maintenance and adjustments on bulldozer
5036.06	5036.07	5036.08	5036.09	5036.10	5036.11

<b>OPERATE SCRAPER</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Conduct pre-operational checks on scraper	Start up scraper	Conduct operational checks on scraper	Travel scraper to the job site
<b>5037.0</b>	5037.01	5037.02	5037.03	5037.04	5037.05
Operate scraper to scrape and grade material	Operate scraper to stockpile materials	Shut down scraper in an emergency situation	Shut down scraper in a normal situation or when exiting vehicle	Refuel scraper	Perform minor maintenance and adjustments on scraper
5037.06	5037.07	5037.08	5037.09	5037.10	5037.11

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<b>OPERATE GRADER</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Conduct pre-operational checks on grader	Start up grader	Conduct operational checks on grader	Travel grader to the job site
<b>5038.0</b>	5038.01	5038.02	5038.03	5038.04	5038.05
Operate grader to scrape material and grade	Operate grader to stockpile materials	Operate grader to maintain road conditions	Shut down grader in an emergency situation	Shut down grader in a normal situation or when exiting vehicle	Refuel grader
5038.06	5038.07	5038.08	5038.09	5038.10	5038.11
Perform minor maintenance and adjustments on grader					
5038.12					

<b>OPERATE FRONT END LOADER</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Conduct pre-operational checks on front end loader	Start up front end loader	Conduct operational checks on front end loader	Travel front end loader to the job site
<b>5039.0</b>	5039.01	5039.02	5039.03	5039.04	5039.05
Operate front end loader to load material	Load bucket	Load haulage vehicle	Operate front end loader to stockpile materials and/or remove material from stockpile	Operate front end loader to maintain road conditions	Shut down front end loader in an emergency situation
5039.06	5039.07	5039.08	5039.09	5039.10	5039.11
Shut down front end loader in a normal situation or when exiting vehicle	Refuel front end loader	Perform minor maintenance and adjustments on front end loader			
5039.12	5039.13	5039.14			

<b>OPERATE FUEL TRUCK</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Conduct pre-operational checks on fuel truck	Start up fuel truck	Conduct operational checks on fuel truck	Travel fuel truck to the job site
<b>5040.0</b>	5040.01	5040.02	5040.03	5040.04	5040.05
Transfer fuel to equipment	Shut down fuel truck in an emergency situation	Shut down fuel truck in a normal situation or when exiting vehicle	Refuel fuel truck	Perform minor maintenance and adjustments on fuel truck	
5040.06	5040.07	5040.08	5040.09	5040.10	
<b>OPERATE SERVICE VEHICLE</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Conduct pre-operational checks on service vehicle	Start up service vehicle	Conduct operational checks on service vehicle	Travel service vehicle to the job site
<b>5041.0</b>	5041.01	5041.02	5041.03	5041.04	5041.05
Transport materials and/or personnel	Shut down service vehicle in an emergency situation	Shut down service vehicle in a normal situation or when exiting vehicle	Refuel service vehicle	Perform minor maintenance and adjustments on service vehicle	
5041.06	5041.07	5041.08	5041.09	5041.10	
<b>OPERATE PRODUCTION HAULAGE TRUCK</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Conduct pre-operational checks on production haulage truck	Start up production haulage truck	Conduct operational checks on production haulage truck	Travel production haulage truck to the job site
<b>5042.0</b>	5042.01	5042.02	5042.03	5042.04	5042.05
Position production haulage truck for loading with material	Haul load	Operate production haulage truck to stockpile materials	Dump load	Shut down production haulage truck in an emergency situation	Shut down production haulage truck in a normal situation or when exiting vehicle
5042.06	5042.07	5042.08	5042.09	5042.10	5042.11
Refuel production haulage truck	Perform minor maintenance and adjustments on production haulage truck				
5042.12	5042.13				

<b>OPERATE WATER TRUCK</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Conduct pre-operational checks on water truck	Start up water truck	Conduct operational checks on water truck	Travel water truck to the job site
<b>5043.0</b>	5043.01	5043.02	5043.03	5043.04	5043.05
Operate water truck	Shut down water truck in an emergency situation	Shut down water truck in a normal situation or when exiting vehicle	Refuel water truck	Perform minor maintenance and adjustments on water truck	
5043.06	5043.07	5043.08	5043.09	5043.10	
<b>OPERATE FORK LIFT</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Conduct pre-operational checks on fork lift	Start up fork lift	Conduct operational checks on fork lift	Travel fork lift to the job site
<b>5044.0</b>	5044.01	5044.02	5044.03	5044.04	5044.05
Operate fork lift	Transport materials and equipment	Unload materials and equipment	Shut down fork lift in an emergency situation	Shut down fork lift in a normal situation or when exiting vehicle	Refuel fork lift
5044.06	5044.07	5044.08	5044.09	5044.10	5044.11
Perform minor maintenance and adjustments on fork lift					
5044.12					

<b>OPERATE PORTABLE CONVEYOR</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Set up and secure portable conveyor	Conduct pre-operational checks on portable conveyor	Perform maintenance on non-moving portable conveyor	Start up portable conveyor
<b>5045.0</b>	5045.01	5045.02	5045.03	5045.04	5045.05
Ensure belts on moving portable conveyor are trained	Conduct operational checks on portable conveyor and components	Convey materials	Operate portable conveyor to stockpile materials	Remove blockages	Lock out and tag portable conveyor for repair or maintenance
5045.06	5045.07	5045.08	5045.09	5045.10	5045.11
Lock out and tag portable diesel equipment	Shut down portable conveyor in an emergency situation	Shut down portable conveyor in a normal situation	Move portable conveyor and components to a new location		
5045.12	5045.13	5045.14	5045.15		

<b>OPERATE STATIONARY CONVEYOR / RADIAL STACKER CONVEYOR</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Conduct pre-operational checks on stationary conveyor/radial stacker conveyor	Perform maintenance on non-moving stacker conveyor/radial stacker conveyor	Start up stationary conveyor/radial stacker conveyor	Conduct operational checks on stationary conveyor/radial stacker conveyor
<b>5046.0</b>	5046.01	5046.02	5046.03	5046.04	5046.05
Convey materials	Operate stationary conveyor/radial stacker conveyor	Ensure belts on moving conveyor are trained	Remove blockages	Lock out and tag stationary conveyor/radial stacker conveyor	Shut down stationary conveyor/radial stacker conveyor in an emergency situation
5046.06	5046.07	5046.08	5046.09	5046.10	5046.11
Shut down stationary conveyor/radial stacker conveyor in a normal situation	Move or adjust stationary conveyor/radial stacker conveyor	Perform maintenance on non-moving stationary conveyor/radial stacker			
5046.12	5046.13	5046.14			

<b>OPERATE PORTABLE CRUSHER</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Set up and secure portable crusher	Conduct pre-operational checks on portable crusher	Start up portable crusher	Conduct operational checks on portable crusher.
<b>5047.0</b>	5047.01	5047.02	5047.03	5047.04	5047.05
Operate portable crusher	Ensure product flow and product quality	Remove blockages	Lock out and tag portable crusher for repair or maintenance	Lock out and tag portable diesel equipment	Perform maintenance on portable crusher
5047.06	5047.07	5047.08	5047.09	5047.10	5047.11
Shut down portable crusher in an emergency situation	Shut down portable crusher in an normal situation	Move portable crusher and components to a new location			
5047.12	5047.13	5047.14			

<b>OPERATE STATIONARY CRUSHER</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Conduct pre-operational checks on stationary crusher	Start up stationary crusher	Conduct operational checks on stationary crusher	Operate stationary crusher
<b>5048.0</b>	5048.01	5048.02	5048.03	5048.04	5048.05
Ensure product flow and product quality	Remove blockages	Lock out and tag stationary crusher for repair or maintenance	Lock out and tag diesel equipment	Perform maintenance on stationary crusher	Shut down stationary crusher in an emergency situation
5048.06	5048.07	5048.08	5048.09	5048.10	5048.11
Shut down stationary crusher in a normal situation					
5048.12					

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<b>OPERATE PORTABLE SCREEN</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Set up and secure portable screen	Conduct pre-operational checks on portable screen	Start up portable screen	Conduct operational checks on portable screen
<b>5049.0</b>	5049.01	5049.02	5049.03	5049.04	5049.05
Operate portable screen	Lock out and tag portable screen for repair or maintenance	Lock out and tag portable diesel equipment.	Remove blockages	Perform maintenance on portable screen	Shut down portable screen in an emergency situation
5049.06	5049.07	5049.08	5049.09	5049.10	5049.11
Shut down portable screen in a normal situation	Move portable screen and components to a new location				
5049.12	5049.13				

<b>OPERATE STATIONARY SCREEN</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Conduct pre-operational checks on stationary screen	Start up stationary screen	Conduct operational checks on stationary screen	Operate stationary screen
<b>5050.0</b>	5050.01	5050.02	5050.03	5050.04	5050.05
Lock out and tag stationary screen for repair or maintenance	Lock out and tag diesel equipment	Remove blockages	Perform maintenance on stationary screen	Shut down stationary screen in an emergency situation	Shut down stationary screen in a normal situation
5050.06	5050.07	5050.08	5050.09	5050.10	5050.11

<b>OPERATE GENERATOR OVER 10 kVA</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Conduct pre-operational checks on generator	Operate generator	Conduct operational checks on generator	Shut down generator in an emergency situation
<b>5051.0</b>	5051.01	5051.02	5051.03	5051.04	5051.05
Shut down generator in a normal situation	Refuel generator	Perform minor maintenance and adjustments on generator			
5051.06	5051.07	5051.08			

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<b>OPERATE PORTABLE PUMP</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Conduct pre-operational checks on portable pump	Set-up portable pump	Start up portable pump	Operate portable pump
<b>5052.0</b>	5052.01	5052.02	5052.03	5052.04	5052.05
Monitor portable pump operation	Shut down portable pump	Refuel portable pump	Perform minor maintenance and adjustments on portable pump		
5052.06	5052.07	5052.08	5052.09		

<b>OPERATE COMPRESSOR</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Conduct pre-operational checks on compressor	Start up compressor	Conduct operational checks on compressor	Shut down compressor in an emergency situation
<b>5053.0</b>	5053.01	5053.02	5053.03	5053.04	5053.05
Shut down compressor in a normal situation	Refuel compressor	Perform minor maintenance and adjustments on compressor			
5053.06	5053.07	5053.08			

<b>OPERATE PRODUCTION DRILL</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Lay out production drill pattern	Conduct pre-operational checks on carrier, drill and attachments	Start up production drill	Conduct operational checks on carrier, drill and attachments
<b>5054.0</b>	5054.01	5054.02	5054.03	5054.04	5054.05
Travel production drill to the job site	Set up production drill	Drill bench to specified depths	Inspect drilling for accuracy to design	Maintain production drill steel and attachments	Refuel production drill
5054.06	5054.07	5054.08	5054.09	5054.10	5054.11
Perform maintenance on production drill	Store drilling equipment in designated area	Document drill operation			
5054.12	5054.13	5054.14			

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<b>HANDLE BLASTING AGENTS, EXPLOSIVES AND DETONATORS</b>	Load required amounts of blasting agents explosives and detonators onto carrier	Transport blasting agents, explosives and detonators	Observe guarding procedures while working and travelling in loading area of blast	Store blasting agents, explosives and detonators	
<b>5055.0</b>	5055.01	5055.02	5055.03	5055.04	

<b>BLAST ROCK</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Guard area	Check drill holes in preparation for loading	De-water holes	Select type and quantity of explosive materials for the job
<b>5056.0</b>	5056.01	5056.02	5056.03	5056.04	5056.05
Handle detonators/ blasting caps, primers, packaged explosives, and bulk explosives	Load blast	Ensure connections are secure while following blast design	Connect blast	Ensure blast area is clear of people and equipment	Initiate blast
5056.06	5056.07	5056.08	5056.09	5056.10	5056.11
Conduct post-firing checks	Document blast as required				
5056.12	5056.13				

<b>OPERATE FLAME CUTTING EQUIPMENT</b>	Inspect the workplace for hazardous and/or potentially hazardous conditions	Prepare flame cutting equipment and supplies in for transport	Assemble flame cutting equipment	Conduct pre-operational checks on flame cutting equipment	Prepare workplace
<b>5057.0</b>	5057.01	5057.02	5057.03	5057.04	5057.05
Operate flame cutting equipment	Shut down flame cutting equipment	Remove flame cutting equipment and supplies	Store flame cutting equipment and supplies		
5057.06	5057.07	5057.08	5057.09		



## **PREFACE**

This training document was developed by the Ministry of Training, Colleges and Universities (MTCU) in consultation with representatives from the industry. These Training Standards are intended to be used by workers/trainees, instructors and companies as a "blueprint" for training or as a prerequisite for MTCU accreditation/certification.

A Surface Miner (entry level) is a worker who has achieved accreditation in the entire Common Core for Program #770210. Accreditation Requirements for the Surface Miner Program: Two accreditations are available in the Surface Miner program: a Certificate of Achievement (C of A), or a Certificate of Qualification (C of Q). To be eligible for the C of A, the worker must Completed a combination of the 12 required modules from sections 1-5, plus any other 4 modules from sections 1-5. For C of Q accreditation, the worker must Completed the 12 required modules from sections 1-5, plus any other 4 modules from sections 1-5, and all three modules of section 6. Please note that workers must be trained in their area(s) of work.

An operating surface mine and/or associated mining plant is a pit or quarry where metallic or non-metallic rock, mineral bearing substance, earth, clay, sand or gravel is being or has been removed by means of an excavation open to the surface to supply material for construction, industrial or manufacturing purposes and includes any work, undertaking or facility used in connection therewith but does not include a cutting for a right of way for a highway or a railroad.

Surface mine operations would include the activities that are needed to operate the surface mine. These would include the pit, quarry or excavation, the processing plant, maintenance shops, storage facilities, mine road building and maintenance, pumps, generators and material-handling operations directly conducted at the surface mine location. It is where a worker can demonstrate performance objectives as outlined in a specific module.

### **Section 1: Common Core Modules (Mandatory)**

#### **Modules to be Completed, 3 of 3.**

- U5030 Work Safely in the Job Environment.
- U5031 Perform General Lock Out and Tag on Prime Movers and Other Related Equipment.
- U5032 Operate Hand and Power Tools.

#### **Specialty Modules: Sections 2-6**

#### **Section 2: Production, - modules to be Completed in section 2 are 2 of 7.**

- U5034 Operate Hydraulic Excavator.
- U5035 Operate Skid Steer.
- U5036 Operate Bulldozer.
- U5037 Operate Scraper.
- U5038 Operate Grader.
- U5039 Operate Front End Loader.

**PREFACE** - Cont'd

U5042 Operate Production Haulage Truck.

**Section 3: Service Vehicles -modules to be Completed in section 3 are 2 of 5.**

**Note: The mandatory requirement: either Operate Fuel Truck or Operate Water Truck Modules must be done.**

U5033 Operate Elevating Work Platform

U5040 Operate Fuel Truck.

U5041 Operate Service Vehicle.

U5043 Operate Water Truck.

U5044 Operate Forklift.

**Section 4: Conveyors, Crushers and Screens -modules to be Completed in section 4 are 3 of 6 with 1 taken from each of the 3 areas.**

**4a. Conveyors:**

**Completed 1 of the 2 conveyor modules.**

U5045 Operate Portable Conveyor.

U5046 Operate Stationary Conveyor/Radial Stacker Conveyor.

**4b. Crushers:**

**Completed 1 of the 2 crusher modules.**

U5047 Operate Portable Crusher.

U5048 Operate Stationary Crusher.

**4c. Screens:**

**Completed 1 of the 2 screen modules.**

U5049 Operate Portable Screen.

U5050 Operate Stationary Screen.

**Section 5: Auxiliary Equipment -modules to be Completed in section 5 are 2 of 4.**

U5051 Operate Generator over 10kVA.

U5052 Operate Portable Pump.

U5053 Operate Compressor.

U5057 Operate Flame Cutting Equipment.

**PREFACE - Cont'd****Section 6: Drilling and Blasting -modules to be Completed in section 6 are 3 of 3.**

**Note: This section is a requirement only for the Certificate of Qualification (C of Q) accreditation.**

- U5054      Operate Production Drill.
- U5055      Handle Blasting Agents, Explosives and Detonators.
- U5056      Blast Rock.

**Accreditation Summary****For the Certificate of Achievement:**

<b>Section</b>	<b>#Modules Required</b>	<b>#Modules Available</b>
• Common Core	3	3
• Production	2	7
• Service Vehicles	2	5
• Conveyors	1	2
• Crushers	1	2
• Screens	1	2
• Auxiliary Equipment	2	4
plus any other 4 modules from sections 2-5	4	
<b>Totals</b>	<b>16</b>	<b>25</b>

**NOTE:** To be eligible for a Certificate of Qualification the worker must be accredited with the Certificate of Achievement and have Completed the 3 modules of section 6.

The care and maintenance of this book is the joint responsibility of the trainee/worker and the employer and is the property of the trainee/worker. The Training Standards were developed specifically for documenting the worker's/trainee's acquisition of skills. The Training Standard book is the property of the employee. The signing authority is encouraged to maintain a copy of their employee's signed off Training Standard document in the company records. If the employee ceases to work for the company they are to be given their Training Standard document

Throughout the document the term "including" is often used. "Including" means: one or more of the items listed, but not limited to those items included in the list.

### **IMPORTANT DIRECTIONS TO TRAINERS**

Trainers instructing workers in this Surface Miner Program must themselves be accredited in the Basic Common Core and the specialty modules they will be instructing of the Surface Miner Program #770120. They must meet the Trainer Guidelines for the program.

The Training Standards identify skills required for this occupation and its related training program.

These Training Standards have been written in concise statements which describe how well a worker/trainee must perform each skill in order to become competent.

In using these Training Standards, trainers will be able to ensure that the worker/trainee is developing skills detailed for the occupation.

Trainers and workers/trainees are required to sign off and date the skills following each successful acquisition. Trainers and workers/trainees are required to sign off on and date the skills/Performance Objectives, following each successful acquisition. Performance Objectives must be signed off by the trainer when the trainee has achieved competence in the skill. For the purposes of MTCU programs competence is achieved when the trainee is able to perform the skills repeatedly and without assistance in the workplace to the standard set out in the Training Standard document.

Employers participating in this training program will be designated as the Signing Authority and are required to attest to successful achievement by signing on the appropriate line included at the end of each unit.

**IMPORTANT DIRECTIONS TO THE TRAINEE**

**Trainee**

1. All hours worked for each employer(s) should be recorded in the Employer Information section.
2. It is the responsibility of the worker/trainee to inform the local Employment Ontario office regarding the following changes:
  - change of worker/trainee's name or address;
  - transfer to a new employer.
3. Training Reports must be signed for modular trainees by MTCU designated Signing Authority and forwarded to a local Employment Ontario office.
4. At the completion of training, the Training Completion Form must be Completed and signed off by the Signing Authority and submitted to the local Employment Ontario office.

**NOTICE/DECLARATION FOR COLLECTION OF PERSONAL INFORMATION**

1. This information is collected under the authority of the Order-In-Council Number 701/85.
2. The information is collected for the purpose of administering this modular training program within the Province of Ontario.
3. Questions regarding collection and use of this information may be directed to:

Director of Apprenticeship  
Ministry of Training, Colleges and Universities  
Service Delivery Branch  
33 Bloor St. East 2<sup>nd</sup> Floor  
Toronto, ON M7A 2S3  
(416) 314-4268

**TRAINEE RECORD**

Trainee Name: \_\_\_\_\_

Contract Number: \_\_\_\_\_  
(If applicable)

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**EMPLOYER INFORMATION**

Company: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Telephone: \_\_\_\_\_

**SUMMARY OF HOURS:**

Dates of Employment: \_\_\_\_\_  
From \_\_\_\_\_ To \_\_\_\_\_

Total hours of Training and Instruction between dates of Employment \_\_\_\_\_ Hours

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Employer  
Signature

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Date

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Trainee Signature

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Date

**EMPLOYER INFORMATION**

Company: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Telephone: \_\_\_\_\_

**SUMMARY OF HOURS:**

Dates of Employment: \_\_\_\_\_  
From \_\_\_\_\_ To \_\_\_\_\_

Total hours of Training and Instruction between dates of Employment \_\_\_\_\_ Hours

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Employer Signature	Date	Trainee Signature	Date
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**EMPLOYER INFORMATION**

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

**SUMMARY OF HOURS:**

Dates of Employment: \_\_\_\_\_  
From \_\_\_\_\_ To \_\_\_\_\_

Total hours of Training and Instruction between dates of Employment \_\_\_\_\_ Hours

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Employer Signature	Date	Trainee Signature	Date
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**EMPLOYER INFORMATION**

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

**SUMMARY OF HOURS:**

Dates of Employment: \_\_\_\_\_  
From \_\_\_\_\_ To \_\_\_\_\_

Total hours of Training and Instruction between dates of Employment \_\_\_\_\_ Hours

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Employer Signature	Date	Trainee Signature	Date
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**EMPLOYER INFORMATION**

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

**SUMMARY OF HOURS:**

Dates of Employment: \_\_\_\_\_  
From \_\_\_\_\_ To \_\_\_\_\_

Total hours of Training and Instruction between dates of Employment \_\_\_\_\_ Hours

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Employer Signature	Date	Trainee Signature	Date
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**TRAINEE COMPLETION FORM**

Trainee Name \_\_\_\_\_

Print \_\_\_\_\_

Signature \_\_\_\_\_

Social Insurance Number \_\_\_\_\_

Training Units when Completed should be Signed off by Trainer/ Signing Authority on the following page and presented with this completion form to your local Employment Ontario office. Any supporting documentation should also be attached.

In-School Completed: Yes ( ) No ( ) Not Applicable ( )  
(proof to be provided)

Hours Completed as  
per Contract: Yes ( ) No ( ) Not Applicable ( )

Employer Name: \_\_\_\_\_

Address:

Telephone:

Signing Authority:

Signature \_\_\_\_\_

**MTCU USE ONLY:**

Recommended for Exam: Yes ( ) No ( )

Signature \_\_\_\_\_

Consultant/Office Code \_\_\_\_\_

**TRAINING UNIT COMPLETION FORM**

<b>TRAINING TITLE UNIT</b>	<b>SIGNING AUTHORITY</b>
U5030      Work Safely in the Job Environment	_____
U5031      Perform General Lock Out and Tag on Prime Movers and Other Related Equipment	_____
U5032      Operate Hand and Power Tools	_____
U5033      Operate Elevating Work Platform	_____
U5034      Operate Hydraulic Excavator	_____
U5035      Operate Skid Steer	_____
U5036      Operate Bulldozer	_____
U5037      Operate Scraper	_____
U5038      Operate Grader	_____
U5039      Operate Front End Loader	_____
U5040      Operate Fuel Truck	_____
U5041      Operate Service Vehicle	_____
U5042      Operate Production Haulage Truck	_____
U5043      Operate Water Truck	_____
U5044      Operate Fork Lift	_____
U5045      Operate Portable Conveyor	_____

**TRAINING UNIT COMPLETION FORM - cont'd**

U5046	Operate Stationary Conveyor/Radial Stacker Conveyor	_____
U5047	Operate Portable Crusher	_____
U5048	Operate Stationary Crusher	_____
U5049	Operate Portable Screen	_____
U5050	Operate Stationary Screen	_____
U5051	Operate Generator over 10 kVA	_____
U5052	Operate Portable Pump	_____
U5053	Operate Compressor	_____
U5054	Operate Production Drill	_____
U5055	Handle Blasting Agents, Explosives and Detonators	_____
U5056	Blast Rock	_____
U5057	Operate Flame Cutting Equipment	_____

**U5030.0 WORK SAFELY IN THE JOB ENVIRONMENT****GENERAL PERFORMANCE OBJECTIVE**

Work safely in the job environment, by wearing, adjusting and maintaining personal protective equipment (PPE); wearing, adjusting and maintaining fall arrest systems; dealing with hazardous or potentially hazardous conditions in the workplace; working safely around hazardous materials; manually lifting and carrying materials and/or supplies; working around mobile equipment; operating communication equipment; working from elevated work stations; working in elevated areas; working safely around/on/with stock piles of unconsolidated loose, natural or processed material; identifying and responding to stockpile conditions; working in and around water; practising good housekeeping; working around stationary and portable equipment; following company emergency procedures; and performing traffic control according to safety legislation, company standards, company policy and manufacturer specifications.

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

**SKILLS**

5030.01 Wear, adjust and maintain personal protective equipment (PPE), including: face shield, head, eye, ear, hand, foot and respiratory protectors to ensure optimum protection; and repair and/or report deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5030.02 Wear, adjust and maintain fall arrest systems, to provide optimum protection; and repair and/or report deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5030.0 WORK SAFELY IN THE JOB ENVIRONMENT (cont.)**

5030.03 Deal with hazardous or potentially hazardous conditions in the workplace, by identifying and reporting hazards; handling hazardous materials; guarding hazard(s); cleaning up spills and/or leaks; evacuating the area; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5030.04 Work safely around hazardous materials, by using personal protective equipment; identifying hazardous materials and referring to Material Safety Data Sheets (MSDS); locating first aid facilities; observing/complying with warning signals, alarms and signs; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5030.05 Manually lift and carry materials and/or supplies, by ensuring sound footing and a clear path; lifting using legs; bending knees with a smooth motion; seeking assistance if required; and repairing and/or reporting deficiencies according to safety legislation and company standards.

Date Completed	Trainer's Signature	Trainee's Signature
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5030.06 Work around mobile equipment, by obeying vehicle warning signals and alarms; yielding right of way to vehicles; remaining visible; maintaining a safe distance from vehicles; using hand signals; staying clear of suspended loads; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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**U5030.0 WORK SAFELY IN THE JOB ENVIRONMENT (cont.)**

5030.07 Operate communication equipment, including: sirens, alarms, radios and telephones to ensure safety and job effectiveness; and repair and/or report deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5030.08 Work from elevated work stations, by wearing a fall arrest system; mounting and dismounting, using 3 point contact; ensuring clearance and headroom; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5030.09 Work in elevated areas, including: banks, berms, benches, quarry rims and temporary ramps, by working from a safe location; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5030.10 Work safely around/on/with stock piles of unconsolidated loose, natural or processed material, including: fieldstone, quarried stone, sand, gravel, overburden, tailings, muck and surge, by identifying material characteristics; observing/complying with safe distances; following stockpile procedures, including: sampling, emergencies, distances and heights of stockpile, angle of repose, and pedestrian and vehicular traffic; reporting hazards and potential hazards, including: weather conditions, slumping, sloughing, saturation, undercutting, vibration and voids; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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**U5030.0 WORK SAFELY IN THE JOB ENVIRONMENT (cont.)**

5030.11 Identify and respond to stockpile conditions, to ensure stability and natural angle of repose, by visually inspecting for hazards and/or potential hazards, including: undercutting, cracks, voids, build-up of water, snow/ice and loader height restriction; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5030.12 Work in and around water, by ensuring sound machine footing; placing banks and berms; ensuring rescue equipment, including: boats and flotation devices, are in place and in good condition; following rescue procedures; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5030.13 Practise good housekeeping, by maintaining a safe, clean and orderly workplace; reporting defects to tools and equipment; disposing of waste materials; cleaning tools and equipment; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5030.14 Work around stationary and portable equipment, including: conveyors, crushers, screens and screening plants, by remaining outside of guards and barricades; wearing personal protective equipment; maintaining distance from equipment; working from a safe location; observing/complying with alarms and warning systems; communicating with co-workers; activating pull cord to shut down conveyor in an emergency situation; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5030.0      WORK SAFELY IN THE JOB ENVIRONMENT (cont.)**

5030.15      Follow company emergency procedures, by referring to the company emergency response plan; following established rules and guidelines; and repairing and/or reporting deficiencies according to company policy, safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5030.16      Perform traffic control, by following established rules and guidelines; and repairing and/or reporting deficiencies according to safety legislation and company standards.

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Date Completed

Trainer's Signature

Trainee's Signature

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Employer's Name

Employer's Signature

**U5031.0      PERFORM GENERAL LOCK OUT AND TAG ON PRIME MOVERS  
AND OTHER RELATED EQUIPMENT****GENERAL PERFORMANCE OBJECTIVE**

Perform general lock out and tag on prime movers and other related equipment, by inspecting the workplace for hazardous and/or potentially hazardous conditions; identifying prime mover(s) and other related equipment to be locked out and tagged for repair, maintenance/inspection, and/or clean up; de-energizing system and other related equipment to ensure zero energy state; locking out and tagging prime movers and other related equipment to maintain a zero energy state; verifying zero energy state to prevent unexpected movement; performing work to be done while prime mover(s) and other related equipment is blocked; removing lock and tag after ensuring work has been Completed; and energizing prime mover(s) and other related equipment according to safety legislation, company standards and manufacturer specifications. **Note:** As defined in Regulation 854 the term 'Prime Mover' means an engine or other device that provides an initial source of motive power.

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

**SKILLS**

5031.01      Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment and unlevel ground, by removing and/or guarding hazards and/or potential hazards according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

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**U5031.0      PERFORM GENERAL LOCK OUT AND TAG ON PRIME MOVERS  
AND OTHER RELATED EQUIPMENT (cont.)**

5131.02 Identify prime mover(s) and other related equipment to be locked out and tagged for repair, maintenance/inspection, and/or clean up, including: air/water lines and the following forms of energy, including: hydraulic, kinetic, radiation, stored, pneumatic, gravity, electrical, mechanical, chemical and thermal, by reviewing layouts /drawings; performing visual inspection; repairing and/or reporting deficiencies; and following instructions according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5131.03 De-energize system and other related equipment to ensure a zero energy state, by operating stop button(s), selector switches, pedals, valves and levers; opening disconnects/breakers; following communication procedures to ensure safety of self and others; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5131.04 Lock out and tag prime mover(s) and other related equipment to maintain a zero energy state and to prevent unexpected movement, energization, start-up or release of stored energy, by installing lock(s) and tag(s) securely; installing blocking devices and/or chains if required; following communication procedures to ensure safety of self and others; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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**U5031.0 PERFORM GENERAL LOCK OUT AND TAG ON PRIME MOVERS AND OTHER RELATED EQUIPMENT (cont.)**

5131.05 Verify zero energy state to prevent unexpected movement, energization, start-up or release of stored energy, by attempting to operate/energize equipment/machinery/devices/controls in the workplace and by other available means, including: programmable logic controllers (PLCs), and remote controls; following verification procedures; operating start button(s), selector switches, pedals, valves and levers; using test equipment; monitoring devices/gauges; performing visual inspections; following communication procedures; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5131.06 Perform work to be done while prime mover(s) and other related equipment/machinery is blocked if required and locked out and tagged securely during service, inspection, clean up and maintenance/repair of machines, equipment, systems or processes; and repair and/or report deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5131.07 Remove lock and tag, after ensuring work has been Completed, clean up has been performed and guards have been secured, by following communication procedures to ensure safety of self and others; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5031.0      PERFORM GENERAL LOCK OUT AND TAG ON PRIME MOVERS  
AND OTHER RELATED EQUIPMENT (cont.)**

5131.08      Energize prime mover(s) and other related equipment, by activating power sources; removing blocking devices and/or chains; operating start button (s), selector switches, pedals, valves and levers; closing disconnects/breakers; following communication procedures to ensure safety of self and others; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

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Employer's Name

Employer's Signature

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**U5032.0 OPERATE HAND AND POWER TOOLS****GENERAL PERFORMANCE OBJECTIVE**

Operate hand and power tools, by operating hand tools using personal protective equipment; maintaining and storing hand tools; inspecting and setting up electrically powered hand tools; operating electrically powered hand tools; maintaining and storing electrically powered hand tools; inspecting and setting up pneumatic and/or hydraulic hand tools; operating pneumatic and/or hydraulic hand tools; and maintaining and storing pneumatic and/or hydraulic hand tools according to safety legislation, company standards and manufacturer specifications. **Note: Special training is required when using powder actuated tools.**

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**PERFORMANCE OBJECTIVES**

Trainer's Signature

Trainee's Signature

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**SKILLS**

5032.01 Operate hand tools using personal protective equipment; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5032.02 Maintain and store hand tools, by inspecting tools before, during and after use; cleaning tools prior to storage; storing in a designated location; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5032.0 OPERATE HAND AND POWER TOOLS (cont )**

5032.03 Inspect and set up electrically powered hand tools, by checking tools, attachments, cords and plugs; locating and securing extension cord(s); and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5032.04 Operate electrically powered hand tools, using personal protective equipment, by working from a safe and secure location; securing object to be worked on; changing attachments; shutting off tool; retrieving extension cord(s); and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

---

Date Completed

Trainer's Signature

Trainee's Signature

5032.05 Maintain and store electrically powered hand tools, by inspecting tools before, during and after use; cleaning tools prior to storage; storing in designated location; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5032.06 Inspect and set up pneumatic and/or hydraulic hand tools, by checking hoses; connecting lubricator; locating and connecting hoses; verifying pressure; ensuring tool is in "off" position; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

**U5032.0      OPERATE HAND AND POWER TOOLS (cont.)**

5032.07 Operate pneumatic and/or hydraulic hand tools, using personal protective equipment including: face shields, by working from a safe and secure location; replacing attachments; shutting down tool; relieving pressure in hoses; disconnecting hoses; disconnecting separator; retrieving and coiling hoses; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

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Trainee's Signature

5032.08 Maintain and store pneumatic and/or hydraulic hand tools, by inspecting tools before, during and after use; cleaning tools prior to storage; storing in a designated location; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

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Trainee's Signature

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Employer's Name

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Employer's Signature

**U5033.0      OPERATE ELEVATING WORK PLATFORM****GENERAL PERFORMANCE OBJECTIVE**

Operate elevating work platform, by inspecting the workplace for hazardous and/or potentially hazardous conditions; setting up and securing elevating work platform; conducting pre-operational checks on elevating work platform; mounting/dismounting elevating work platform; conducting operational checks on elevating work platform; accessing personnel platform; operating controls to access work position; working from platform; refuelling elevating work platform; shutting down elevating work platform; and securing lifting device according to safety legislation, company standards and manufacturer specifications.

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

**SKILLS**

5033.01      Inspect the workplace for hazardous and/or potentially hazardous conditions, including: uneven ground and unauthorized personnel and/or equipment, by removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5033.02      Set up and secure elevating work platform, on a firm, level base and position including: scissor lift and boom lift; and repair and/or report deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5033.0 OPERATE ELEVATING WORK PLATFORM (cont.)**

5033.03 Conduct pre-operational checks on elevating work platform, while engine is stopped, by ensuring fire extinguisher(s) are in place and operational; checking fluids, tires, wheel nuts and tracks; visually inspecting chassis and attachments; checking belts and hoses; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

---

Date Completed

Trainer's Signature

Trainee's Signature

5033.04 Mount/Dismount elevating work platform, using 3 point contact, by engaging braking system(s); ensuring controls are in neutral; activating power supply; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

---

Date Completed

Trainer's Signature

Trainee's Signature

5033.05 Conduct operational checks on elevating work platform, by cycling elevating work platform; checking holding valve; checking instruments and warning devices; checking brakes; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5033.06 Access personnel platform, using 3 point contact, by adjusting safety harness; checking kick plates and safety rails; loading and securing tools, materials and supplies; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

---

Date Completed

Trainer's Signature

Trainee's Signature

**U5033.0 OPERATE ELEVATING WORK PLATFORM (cont.)**

5033.07 Operate controls to access work position, by raising, lowering and rotating platform; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5033.08 Work from platform, by ensuring clearance for self, platform, and ropes when raising and/or lowering equipment, materials and supplies; maintaining communication with co-workers; observing/complying with limits of electrical approach; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5033.09 Refuel elevating work platform, by positioning elevating work platform at refuelling station/area; shutting down and securing vehicle; preventing spills or damage to the environment; cleaning up spills; maintaining required ventilation; isolating and/or de-energizing energy source; ensuring refuelling area is free of ignition sources; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5033.10 Shut down elevating work platform, by deactivating power supply; parking, securing and storing vehicle in designated area; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5033.0      OPERATE ELEVATING WORK PLATFORM (cont.)**

5033.11    Secure lifting device, in preparation for travel, by lowering boom to rest position; raising stabilizer legs; installing boom covers; using tie-down straps as required; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

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Trainer's Signature

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Trainee's Signature

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Employer's Name

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Employer's Signature

**U5034.0      OPERATE HYDRAULIC EXCAVATOR**

**GENERAL PERFORMANCE OBJECTIVE**

Operate hydraulic excavator, by inspecting the workplace for hazardous and/or potentially hazardous conditions; conducting pre-operational checks on hydraulic excavator; starting up hydraulic excavator; conducting operational checks on hydraulic excavator; travelling hydraulic excavator to the job site; operating hydraulic excavator on a firm base; operating hydraulic excavator to stockpile materials and/or remove material from stockpile; loading haulage vehicle; shutting down hydraulic excavator in an emergency situation; shutting down hydraulic excavator in a normal situation or when exiting vehicle; refuelling hydraulic excavator; and performing minor maintenance and adjustments on hydraulic excavator according to safety legislation, company standards and manufacturer specifications.

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

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Trainee's Name (Print)

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**SKILLS**

5034.01      Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment, by removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5034.0      OPERATE HYDRAULIC EXCAVATOR (cont.)**

5034.02      Conduct pre-operational checks on hydraulic excavator, while engine is stopped, by ensuring mirrors and windshields are clean and free of visual defects; ensuring fire extinguisher(s) are in place and operational; checking fluids, instrument panel, clutches, torque converters, tracks and brakes; checking horn, lights, and warning devices; checking exhaust system; inspecting cylinders, boom and bucket pins; following manufacturer pre-operational check list; checking belts and hoses; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

---

Date Completed

Trainer's Signature

Trainee's Signature

5034.03      Start up hydraulic excavator, by mounting using 3 point contact, ensuring bucket is lowered and directional controls are neutralized; activating engine; adjusting throttle speed to idle; ensuring lights and controls are operational; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

---

Date Completed

Trainer's Signature

Trainee's Signature

5034.04      Conduct operational checks on hydraulic excavator, by ensuring gauges are reading normal and hydraulic systems are operational; checking steering and brakes; checking for unusual noises and unusual smells; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

---

Date Completed

Trainer's Signature

Trainee's Signature

**U5034.0      OPERATE HYDRAULIC EXCAVATOR (cont.)**

5034.05 Travel hydraulic excavator to the job site, by following designated travel route; observing/complying with speed limits, traffic signals, signs and traffic procedures; travelling up-grade and down-grade; staying clear of pedestrian and vehicular traffic and obstacles; maintaining electrical clearance; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5034.06 Operate hydraulic excavator on a firm base, to dig, swing and dump materials, by ensuring swing clearance; observing/complying with signals; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5034.07 Operate hydraulic excavator to stockpile materials and/or remove material from stockpile, by performing forward and backward movement; ensuring clearances; operating on even and uneven driving surfaces; following stockpile procedures, including: angle of repose, sampling, emergencies, distances and heights of stockpile, pedestrian and vehicular traffic; maintaining electrical clearance; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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**U5034.0      OPERATE HYDRAULIC EXCAVATOR (cont.)**

5034.08 Load haulage vehicle, by communicating with co-worker(s); positioning haulage vehicle; ensuring clearance; performing forward and backward movement; ensuring distribution of load; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5034.09 Shut down hydraulic excavator in an emergency situation, including: fire and injury, by shutting off ignition and/or following other emergency procedures; reporting incident; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5034.10 Shut down hydraulic excavator in a normal situation or when exiting vehicle, by parking vehicle in designated area; lowering bucket to ground; positioning vehicle and guarding against movement; setting parking brake; shutting off ignition and/or fuel supply; draining air tanks; dismounting vehicle using 3 point contact; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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**U5034.0      OPERATE HYDRAULIC EXCAVATOR (cont.)**

5034.11 Refuel hydraulic excavator, by positioning hydraulic excavator at refuelling station/area; shutting down and securing vehicle; preventing spills or damage to the environment; cleaning up spills; maintaining required ventilation; isolating and/or de-energizing energy source; ensuring refuelling area is free of ignition sources; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

---

Date Completed

Trainer's Signature

Trainee's Signature

5034.12 Perform minor maintenance and adjustments on hydraulic excavator, by lubricating equipment and attachments; maintaining fluid levels; ensuring replacement of belts and hoses; checking and completing maintenance and/or deficiency report; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

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Employer's Name

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Employer's Signature

**U5035.0      OPERATE SKID STEER****GENERAL PERFORMANCE OBJECTIVE**

Operate skid steer, by inspecting the workplace for hazardous and/or potentially hazardous conditions; conducting pre-operational checks on skid steer; starting up skid steer; conducting operational checks on skid steer; travelling skid steer to the job site; operating skid steer to load and unload materials/supplies; operating skid steer to stockpile materials and/or remove material from stockpile; shutting down skid steer in an emergency situation; shutting down skid steer in a normal situation or when exiting vehicle; refuelling skid steer; and performing minor maintenance and adjustments on skid steer according to safety legislation, company standards and manufacturer specifications.

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

**SKILLS**

5035.01      Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment, by removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5035.02      Conduct pre-operational checks on skid steer, while engine is stopped, by ensuring mirrors and windshields are clean and free of visual defects; ensuring fire extinguisher(s) are in place and operational; checking fluids; checking tires and wheel lugs/studs, wheel chocks; checking horn, lights and warning devices; visually inspecting chassis and attachments; checking belts and hoses; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5035.0      OPERATE SKID STEER (cont.)**

5035.03 Start up skid steer, by mounting using 3 point contact; ensuring bucket is lowered and directional controls are neutralized; ensuring restraint bar is in position; activating engine; adjusting throttle speed to idle; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5035.04 Conduct operational checks on skid steer, by ensuring seat belt is fastened and restraint bar is positioned and secured; checking gauges, hydraulic system, steering and brakes; checking for unusual noises and smells; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5035.05 Travel skid steer to the job site, by following designated travel route; observing/complying with speed limits, traffic signals, signs and traffic procedures; travelling up-grade and down-grade; staying clear of pedestrian and vehicular traffic and obstacles; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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**U5035.0      OPERATE SKID STEER (cont.)**

5035.06 Operate skid steer to load and unload materials/supplies, by raising, lowering, tilting and tipping bucket; loading and balancing bucket and machine; selecting gear for operation; observing/complying with traffic signals; adjusting speed to road conditions; ensuring clear path for machine movement; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5035.07 Operate skid steer to stockpile materials and/or remove material from stockpile, by performing forward and backward movement; ensuring clearances; operating on even and uneven driving surfaces; following stockpile procedures, including: angle of repose, sampling, emergencies, distances and heights of stockpile and pedestrian and vehicular traffic; maintaining electrical clearance; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5035.08 Shut down skid steer in an emergency situation, including: fire and injury, by shutting off ignition and/or following other emergency procedures; reporting incident; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

**U5035.0 OPERATE SKID STEER (cont.)**

5035.09 Shut down skid steer in a normal situation or when exiting vehicle, by parking in designated area; positioning vehicle to guard against movement; lowering bucket and/or attachments to ground; setting parking brake; shutting off ignition and/or fuel supply; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5035.10 Refuel skid steer, by positioning skid steer at refuelling station/area; shutting down and securing vehicle; preventing spills or damage to the environment; cleaning up spills; maintaining required ventilation; isolating and/or de-energizing energy source; ensuring refuelling area is free of ignition sources; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5035.11 Perform minor maintenance and adjustments on skid steer, by lubricating equipment and attachments; maintaining fluid levels; ensuring replacement of belts and hoses; locking out and tagging; completing maintenance and/or deficiency report; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

Employer's Name

Employer's Signature

**U5036.0      OPERATE BULLDOZER****GENERAL PERFORMANCE OBJECTIVE**

Operate bulldozer, by inspecting the workplace for hazardous and/or potentially hazardous conditions; conducting pre-operational checks on bulldozer; starting up bulldozer; conducting operational checks on bulldozer; travelling bulldozer to the job site; operating bulldozer to move product/materials; operating bulldozer to stockpile materials; shutting down bulldozer in an emergency situation; shutting down bulldozer in a normal situation or when exiting vehicle; refuelling bulldozer; and performing minor maintenance and adjustments on bulldozer according to safety legislation, company standards and manufacturer specifications.

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

**SKILLS**

5036.01      Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment, by removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5036.02      Conduct pre-operational checks on bulldozer, while engine is stopped, by checking emergency devices; checking that mirrors and windshields are clean and clear of visual defects; ensuring fire extinguisher(s) are in place and operational; checking fluids; checking tracks; visually inspecting chassis and attachments; checking belts and hoses; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5036.0      OPERATE BULLDOZER (cont.)**

5036.03 Start up bulldozer, by mounting, using 3 point contact; ensuring blade and/or attachments are lowered and hydraulic and directional controls are neutralized; activating engine; adjusting throttle speed to idle; checking lights and controls; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5036.04 Conduct operational checks on bulldozer, while engine is running, by checking mirrors; checking fluid levels and conditions; checking gauges and hydraulic system; checking horn, lights and warning devices; checking belts and hoses; checking service and emergency brakes; checking steering; checking for unusual noises and smells; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5036.05 Travel bulldozer to job site, by following designated travel route; adjusting speed to route conditions; observing/complying with speed limits, traffic signals, signs and traffic procedures; travelling up-grade and down-grade; staying clear of pedestrian and vehicular traffic and obstacles; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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**U5036.0      OPERATE BULLDOZER (cont.)**

5036.06 Operate bulldozer to move product/materials, by selecting gear and vehicle speed; positioning vehicle; aligning blade and/or attachment; observing/complying with signals and traffic procedures; operating on even or uneven driving surfaces; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5036.07 Operate bulldozer to stockpile materials, by performing forward and backward movement; ensuring clearances; operating on even and uneven driving surfaces; following stockpile procedures, including: angle of repose, sampling, emergencies, distances and heights of stockpile and pedestrian and vehicular traffic; maintaining electrical clearance; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5036.08 Shut down bulldozer in an emergency situation, including: fire and injury, by shutting off ignition and/or following other emergency procedures; reporting incident; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5036.09 Shut down bulldozer in a normal situation or when exiting vehicle, by parking in a designated area; lowering blade and/or attachments to ground; positioning vehicle to guard against movement; setting parking brake; shutting off ignition and/or fuel supply; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5036.0      OPERATE BULLDOZER (cont.)**

5036.10 Refuel bulldozer, by positioning bulldozer at refuelling station/area; shutting down and securing vehicle; preventing spills or damage to the environment; cleaning up spills; maintaining required ventilation; isolating and/or de-energizing energy source; ensuring refuelling area is free of ignition sources; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5036.11 Perform minor maintenance and adjustments on bulldozer, by lubricating equipment and attachments; maintaining fluid levels; ensuring replacement of belts and hoses; locking out and tagging; completing maintenance and/or deficiency report; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

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Employer's Name

Employer's Signature

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**U5037.0    OPERATE SCRAPER****GENERAL PERFORMANCE OBJECTIVE**

Operate scraper, by inspecting the workplace for hazardous and/or potentially hazardous conditions; conducting pre-operational checks on scraper; starting up scraper; conducting operational checks on scraper; travelling scraper to the job site; operating scraper to scrape and grade material; operating scraper to stockpile materials; shutting down scraper in an emergency situation; shutting down scraper in a normal situation or when exiting vehicle; refuelling scraper; and performing minor maintenance and adjustments on scraper according to safety legislation, company standards and manufacturer specifications.

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

**SKILLS**

5037.01    Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment, by removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5037.02    Conduct pre-operational checks on scraper, while engine is stopped, by ensuring mirrors and windshields are clean and free of visual defects; ensuring fire extinguisher(s) are in place and operational; checking fluids; checking tires, wheel studs/nuts and wheel chocks; checking belts and hoses; visually inspecting chassis and blade(s); and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5037.0      OPERATE SCRAPER (cont.)**

5037.03 Start up scraper, by mounting using 3 point contact; wearing seat belts; ensuring bowl is lowered and controls are neutralized; activating power supply; engaging transmission; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5037.04 Conduct operational checks on scraper, by ensuring blade controls are operational; checking mirrors; checking fluid levels and conditions; checking gauges and hydraulic system; checking horn, lights and warning devices; checking belts and hoses; checking service and emergency brakes; checking steering; checking for unusual noises and smells; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5037.05 Travel scraper to the job site, by following designated travel route; observing/complying with speed limits, traffic signals, signs and traffic procedures; travelling up-grade and down-grade; staying clear of pedestrian and vehicular traffic and obstacles; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

**U5037.0      OPERATE SCRAPER (cont.)**

5037.06 Operate scraper to scrape and grade material, by raising and lowering blade(s); adjusting blade(s) angle and height; removing foreign material; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5037.07 Operate scraper to stockpile materials, by performing forward and backward movement; ensuring clearances; operating on even and uneven driving surfaces; following stockpile procedures, including: angle of repose, emergencies, distances and heights of stockpile, pedestrian and vehicular traffic; maintaining electrical clearance; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5037.08 Shut down scraper in an emergency situation, including: fire and injury, by shutting off ignition and/or following other emergency procedures; reporting incident; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

**U5037.0      OPERATE SCRAPER (cont.)**

5037.09 Shut down scraper in a normal situation or when exiting vehicle, by parking vehicle in a designated area; dropping bowl; shutting off ignition and/or fuel supply; draining air tanks; setting parking brakes; setting wheel chocks; dismounting using 3 point contact; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5037.10 Refuel scraper, by positioning scraper at refuelling station/area; shutting down and securing vehicle; preventing spills or damage to the environment; cleaning up spills; maintaining required ventilation; isolating and/or de-energizing energy source; ensuring refuelling area is free of ignition sources; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5037.11 Perform minor maintenance and adjustments on scraper, by lubricating equipment and attachments; maintaining fluids levels; ensuring replacement of belts and hoses; locking out and tagging; completing maintenance and/or deficiency report; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

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Employer's Name

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Employer's Signature

**U5038.0      OPERATE GRADER**

**GENERAL PERFORMANCE OBJECTIVE**

Operate grader, by inspecting the workplace for hazardous and/or potentially hazardous conditions; conducting pre-operational checks on grader; starting up grader; conducting operational checks on grader; travelling grader to the job site; operating grader to scrape material and grade; operating grader to stockpile materials; operating grader to maintain road conditions; shutting down grader in an emergency situation; shutting down grader in a normal situation or when exiting vehicle; refuelling grader; and performing minor maintenance and adjustments according to safety legislation, company standards and manufacturer specifications.

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

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Trainee's Name (Print)

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**SKILLS**

5038.01      Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment, by removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5038.02      Conduct pre-operational checks on grader, while engine is stopped, by ensuring: mirrors and windshields are clean and free of visual defects; ensuring fire extinguisher(s) are in place and operational; checking fluid levels; checking tires, wheel studs/nuts and wheel chocks; visually inspecting chassis, blade(s) and attachments; checking belts and hoses; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

**U5038.0      OPERATE GRADER (cont.)**

5038.03 Start up grader, by mounting using 3 point contact; wearing seat belts; ensuring main blade and attachments are lowered; ensuring wing is secured in place and controls are neutralized; activating engine; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5038.04 Conduct operational checks on grader, by ensuring blade controls are operational; checking mirrors; checking fluid levels and conditions; checking gauges and hydraulic system; checking horn, lights and warning devices; checking belts and hoses; checking service and emergency brakes; checking steering; checking for unusual noises and smells; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5038.05 Travel grader to the job site, by following designated travel route; observing/complying with speed limits, traffic signals, signs and traffic procedures; travelling up-grade and down-grade; staying clear of pedestrian and vehicular traffic and obstacles; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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**U5038.0      OPERATE GRADER (cont.)**

5038.06 Operate grader to scrape material and grade, by raising and lowering blade(s); adjusting blade angle and height; selecting gear for operation; observing/complying with traffic signals; adjusting speed to road conditions; ensuring clear path for machine movement; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5038.07 Operate grader to stockpile materials, by performing forward and backward movement; ensuring clearances; operating on even and uneven driving surfaces; following stockpile procedures, including: angle of repose, sampling, emergencies, distances and heights of stockpile, pedestrian and vehicular traffic; maintaining electrical clearance; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5038.08 Operate grader to maintain road conditions, by levelling and cleaning up aggregate spills; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5038.09 Shut down grader in an emergency situation, including: fire and injury, by shutting off ignition and/or following other emergency procedures; reporting incident; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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**U5038.0      OPERATE GRADER (cont.)**

5038.10 Shut down grader in a normal situation or when exiting vehicle, by parking in a designated area; adjusting blade(s) to within the perimeter of the machine; lowering main blade and attachments; securing wing; shutting off ignition and/or fuel supply; setting parking brakes; draining air tanks; setting wheel chocks; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5038.11 Refuel grader, by positioning grader at refuelling station/area; shutting down and securing vehicle; preventing spills or damage to the environment; cleaning up spills; maintaining required ventilation; isolating and/or de-energizing energy source; ensuring refuelling area is free of ignition sources; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5038.12 Perform minor maintenance and adjustments on grader, by lubricating equipment and attachments; maintaining fluid levels; ensuring replacement of belts and hoses; locking out and tagging; completing maintenance and/or deficiency report; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

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Employer's Name      Employer's Signature

**U5039.0 OPERATE FRONT END LOADER****GENERAL PERFORMANCE OBJECTIVE**

Operate front end loader, by inspecting the workplace for hazardous and/or potentially hazardous conditions; conducting pre-operational checks on front end loader; starting up front end loader; conducting operational checks on front end loader; travelling front end loader to the job site; operating front end loader to load material; loading bucket; loading haulage vehicle; operating front end loader to stockpile materials and/or remove material from stockpile; operating front end loader to maintain road conditions; shutting down front end loader in an emergency situation; shutting down front end loader in a normal situation or when exiting vehicle; refuelling front end loader; and performing minor maintenance and adjustments on front end loader according to safety legislation, company standards and manufacturer specifications.

**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

**SKILLS**

5039.01 Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment, by removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5039.02 Conduct pre-operational checks on front end loader, while engine is stopped, by ensuring mirrors and windshields are clean and free of visual defects; ensuring fire extinguisher(s) are in place and operational; checking fluids levels; checking track/rubber tires, wheel studs/nuts and wheel chocks; visually inspecting chassis and bucket; checking belts and hoses; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5039.0 OPERATE FRONT END LOADER (cont.)**

5039.03 Start up front end loader, by mounting using 3 point contact; wearing seat belts; ensuring bucket/attachments are lowered and controls neutralized; activating power supply/engine; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5039.04 Conduct operational checks on front end loader, by checking mirrors; checking fluid levels and conditions; checking gauges and hydraulic system; checking horn, lights and warning devices; checking belts and hoses; checking service and emergency brakes; checking steering; checking for unusual noises and smells; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5039.05 Travel front end loader to the job site, by positioning bucket close to the ground; following designated travel route; observing/complying with speed limits, traffic signals, signs and traffic procedures; travelling up-grade and down-grade; staying clear of pedestrian and vehicular traffic and obstacles; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5039.0      OPERATE FRONT END LOADER (cont.)**

5039.06 Operate front end loader to load material, by raising, lowering, tilting and tipping bucket/attachments; selecting gear for operation; observing/complying with traffic procedures; adjusting speed to road conditions; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5039.07 Load bucket, by positioning front end loader; ensuring clearance for the bucket and a clear path for the machine; maintaining electrical clearance; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5039.08 Load haulage vehicle, by communicating with co-workers; positioning haulage vehicle; ensuring clearance; performing forward and backward movement; ensuring distribution of load; maintaining electrical clearance; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

**U5039.0      OPERATE FRONT END LOADER (cont.)**

5039.09 Operate front end loader to stockpile materials and/or remove material from stockpile, by performing forward and backward movement; ensuring clearances; operating on even and uneven driving surfaces; following stockpile procedures, including: angle of repose, sampling, emergencies, distances and heights of stockpile, pedestrian and vehicular traffic; maintaining electrical clearance; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5039.10 Operate front end loader to maintain road conditions, by back dragging and cleaning up aggregate spills; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5039.11 Shut down front end loader in an emergency situation, including: fire and injury, by shutting off ignition and/or following other emergency procedures; reporting incident; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

**U5039.0      OPERATE FRONT END LOADER (cont.)**

5039.12 Shut down front end loader in a normal situation or when exiting vehicle, by parking vehicle in a designated area; lowering bucket and/or attachment to the ground; shutting off ignition and/or fuel supply; draining air tanks; setting parking brakes; setting wheel chocks; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

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Trainee's Signature

5039.13 Refuel front end loader, by positioning front end loader at refuelling station/area; shutting down and securing vehicle; preventing spills or damage to the environment; cleaning up spills; maintaining required ventilation; isolating and/or de-energizing energy source; ensuring refuelling area is free of ignition sources; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

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Trainee's Signature

5039.14 Perform minor maintenance and adjustments on front end loader, by lubricating equipment and attachments; maintaining fluid levels; ensuring replacement of belts and hoses; locking out and tagging; completing maintenance and/or deficiency report; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

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Trainee's Signature

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Employer's Name

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Employer's Signature

**U5040.0      OPERATE FUEL TRUCK****GENERAL PERFORMANCE OBJECTIVE**

Operate fuel truck, by inspecting the workplace for hazardous and/or potentially hazardous conditions; conducting pre-operational checks on fuel truck; starting up fuel truck; conducting operational checks on fuel truck; travelling fuel truck to the job site; transferring fuel to equipment; shutting down fuel truck in an emergency situation; shutting down fuel truck in a normal situation or when exiting vehicle; refuelling fuel truck; and performing minor maintenance and adjustments on fuel truck according to safety legislation, company standards and manufacturer specifications.

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

**SKILLS**

5040.01      Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment, by removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5040.02      Conduct pre-operational checks on fuel truck, while engine is stopped, by maintaining area in and around vehicle free of smoking and ignition sources; ensuring mirrors and windshields are clean and free of visual defects; ensuring fire extinguisher(s) are in place and operational; checking fluid levels; checking tires, wheel studs/nuts and wheel chocks; visually inspecting chassis and attachments; verifying integrity of tank; checking spill kit, fuel hoses and nozzles; confirming presence of warning placards for dangerous goods; checking belts and hoses; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5040.0      OPERATE FUEL TRUCK (cont.)**

5040.03 Start up fuel truck, by mounting using 3 point contact; wearing seat belts; ensuring controls are neutralized; activating engine; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5040.04 Conduct operational checks on fuel truck, by maintaining the area in and around vehicle free of smoking and ignition sources; checking air and oil levels; checking instrument panel operation; checking for unusual noises and smells; checking brakes and steering; checking horn, lights, warning systems and power take-offs; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5040.05 Travel fuel truck to the job site, by following designated travel route; observing/complying with speed limits, traffic signals, signs and traffic procedures; travelling up-grade and down-grade; staying clear of pedestrian and vehicular traffic and obstacles; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5040.06 Transfer fuel to equipment, by maintaining vehicle in stationary position; observing/complying with load limitations; following hook up procedures; monitoring ventilation levels; maintaining area free of smoking and ignition sources; preventing spills or damage to the environment; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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**U5040.0      OPERATE FUEL TRUCK (cont.)**

5040.07 Shut down fuel truck in an emergency situation, including: fire and injury, by shutting off ignition and/or following other emergency procedures; reporting incident; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5040.08 Shut down fuel truck in a normal situation or when exiting vehicle, by parking vehicle in a designated area; shutting off ignition and/or fuel supply; draining air tanks; setting park brake and wheel chocks; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5040.09 Refuel fuel truck, by positioning refuel truck at refuelling station/area; shutting down and securing vehicle; preventing spills or damage to the environment; cleaning up spills; maintaining required ventilation; isolating and/or de-energizing energy source; ensuring refuelling area is free of ignition sources; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

**U5040.0      OPERATE FUEL TRUCK (cont.)**

5040.10      Perform minor maintenance and adjustments on fuel truck, by lubricating equipment and attachments; maintaining fluid levels; ensuring replacement of belts and hoses; locking out and tagging; completing maintenance and/or deficiency report; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature    Trainee's Signature

Employer's Name    Employer's Signature

**U5041.0      OPERATE SERVICE VEHICLE****GENERAL PERFORMANCE OBJECTIVE**

Operate service vehicle, by inspecting the workplace for hazardous and/or potentially hazardous conditions; conducting pre-operational checks on service vehicle; starting up service vehicle; conducting operational checks on service vehicle; travelling service vehicle to the job site; transporting materials and/or personnel; shutting down service vehicle in an emergency situation; shutting down service vehicle in a normal situation or when exiting vehicle; refuelling service vehicle; and performing minor maintenance and adjustments on service vehicle according to safety legislation, company standards and manufacturer specifications.

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

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**SKILLS**

5041.01      Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment, by removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5041.02      Conduct pre-operational checks on service vehicle, while engine is stopped, by ensuring mirrors and windshields are clean and free of visual defects; ensuring fire extinguisher(s) are in place and operational; checking tires, wheel studs/nuts and wheel chocks; visually inspecting chassis and attachments; checking fluid levels; checking belts and hoses; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5041.0      OPERATE SERVICE VEHICLE (cont.)**

5041.03 Start up service vehicle, by mounting using 3 point contact; wearing seat belts; ensuring controls are neutralized; activating engine; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5041.04 Conduct operational checks on service vehicle, by monitoring fluids levels; checking for unusual noises and smells; checking gauges, brakes and steering; checking horn, lights and warning systems; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5041.05 Travel service vehicle to the job site, by following designated travel route; observing/complying with speed limits, traffic signals, signs and traffic procedures; travelling up-grade and down-grade; staying clear of pedestrian and vehicular traffic and obstacles; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5041.0      OPERATE SERVICE VEHICLE (cont.)**

5041.06      Transport materials and/or personnel, by loading and unloading with vehicle in a stationary position; observing/complying with load limitations; securing seats belts, safety bars and chains; following hook up procedures; securing load(s); observing/complying with speed limits, traffic signals, signs and traffic procedures; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5041.07      Shut down service vehicle in an emergency situation, including: fire and injury, by shutting off ignition and/or following other emergency procedures; reporting incident; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5041.08      Shut down service vehicle in a normal situation or when exiting vehicle, by parking in a designated area; shutting off ignition and/or fuel supply; draining air tanks; setting wheel chocks; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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**U5041.0      OPERATE SERVICE VEHICLE (cont.)**

5041.09      Refuel service vehicle, by positioning service vehicle at refuelling station/area; shutting down and securing vehicle; preventing spills or damage to the environment; cleaning up spills; maintaining required ventilation; isolating and/or de-energizing energy source; ensuring refuelling area is free of ignition sources; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

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Trainee's Signature

5041.10      Perform minor maintenance and adjustments on service vehicle, by lubricating equipment and attachments; maintaining fluid levels; ensuring replacement of belts and hoses; locking out and tagging; completing maintenance and/or deficiency report; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

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Trainee's Signature

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Employer's Name      Employer's Signature

**U5042.0 OPERATE PRODUCTION HAULAGE TRUCK****GENERAL PERFORMANCE OBJECTIVE**

Operate production haulage truck, by inspecting the workplace for hazardous and/or potentially hazardous conditions; conducting pre-operational checks on production haulage truck; starting up production haulage truck; conducting operational checks on production haulage truck; travelling production haulage truck to the job site; positioning production haulage truck for loading with material; hauling load; operating production haulage truck to stockpile materials; dumping load; shutting down production haulage truck in an emergency situation; shutting down production haulage truck in a normal situation or when exiting vehicle; refuelling production haulage truck; and performing minor maintenance and adjustments on production haulage truck according to safety legislation, company standards and manufacturer specifications.

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

**SKILLS**

5042.01 Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment, by removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5042.02 Conduct pre-operational checks on production haulage truck, while engine is stopped, by ensuring mirrors and windshields are clean and free of visual defects; ensuring fire extinguisher(s) are in place and operational; checking fluid levels; checking tires, wheel studs/nuts and wheel chocks; visually inspecting chassis and attachments; checking belts and hoses; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5042.0 OPERATE PRODUCTION HAULAGE TRUCK (cont.)**

5042.03 Start up production haulage truck, by mounting using 3 point contact; wearing seat belts; ensuring controls are neutralized; activating power supply; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5042.04 Conduct operational checks on production haulage truck, by checking air and oil levels; monitoring instrument panel; checking for unusual noises and smells; checking brakes and steering; checking dump cylinder(s); checking horn, lights and warning systems; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5042.05 Travel production haulage truck to the job site, by following designated travel route; observing/complying with speed limits, traffic signals, signs and traffic procedures; travelling up-grade and down-grade; staying clear of pedestrian and vehicular traffic and obstacles; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5042.06 Position production haulage truck for loading with material, by ensuring area is clear of unauthorized personnel prior to loading; ensuring clear path for truck movement; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5042.0 OPERATE PRODUCTION HAULAGE TRUCK (cont.)**

5042.07 Haul load, by driving vehicle with the box secured; observing/complying with speed limits, traffic signals, signs and traffic procedures; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5042.08 Operate production haulage truck to stockpile materials, by performing forward and backward movement; ensuring clearances; operating on even and uneven driving surfaces; following stockpile procedures, including: angle of repose, sampling, emergencies, distances and heights of stockpile, pedestrian and vehicular traffic and maintaining electrical clearance; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5042.09 Dump load, by positioning vehicle on level dumping location; ensuring clearance of truck and box; observing/complying with signals, including: backward, forward and dumping; ensuring bumper/stop block/berm is in place and secure as required; ensuring tractor and trailer are in alignment if articulated; lowering and securing box before moving truck; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5042.10 Shut down production haulage truck in an emergency situation, including: fire and injury, by shutting off ignition and/or following other emergency procedures; reporting incident; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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**U5042.0 OPERATE PRODUCTION HAULAGE TRUCK (cont.)**

5042.11 Shut down production haulage truck in a normal situation or when exiting vehicle, by parking vehicle in designated area; lowering and securing box; shutting off ignition and/or fuel supply; setting wheel chocks and parking brake; draining air tanks; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5042.12 Refuel production haulage truck, by positioning production haulage truck at refuelling station; shutting down and securing vehicle; preventing spills or damage to the environment; cleaning up spills; maintaining required ventilation; isolating and/or de-energizing energy source; ensuring refuelling area is free of ignition sources; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5042.13 Perform minor maintenance and adjustments on production haulage truck, by lubricating equipment and attachments; maintaining fluids levels; ensuring replacement of belts and hoses; locking out and tagging; completing maintenance and deficiency report; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

Employer's Name

Employer's Signature

**U5043.0      OPERATE WATER TRUCK**

**GENERAL PERFORMANCE OBJECTIVE**

Operate water truck, by inspecting the workplace for hazardous and/or potentially hazardous conditions; conducting pre-operational checks on water truck; starting up water truck; conducting operational checks on water truck; travelling water truck to the job site; operating water truck; shutting down water truck in an emergency situation; shutting down water truck in a normal situation or when exiting vehicle; and refuelling water truck; and performing minor maintenance and adjustments on water truck according to safety legislation, company standards and manufacturer specifications.

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

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Trainee's Name (Print)

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**SKILLS**

5043.01      Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment, by removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5043.02      Conduct pre-operational checks on water truck, while engine is stopped, by ensuring mirrors and windshields are clean and free of visual defects; ensuring fire extinguisher(s) are in place and operational; checking tires, wheel studs/nuts and wheel chocks; checking fluids; visually inspecting chassis and attachments; checking belts and hoses; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specification.

Date Completed

Trainer's Signature

Trainee's Signature

**U5043.0 OPERATE WATER TRUCK (cont.)**

5043.03 Start up water truck, by mounting using 3 point contact; wearing seat belts; neutralizing controls, including: transmission and hydraulics; activating ignition; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

**Date Completed**

### **Trainer's Signature**

**Trainee's Signature**

5043.04 Conduct operational checks on water truck, by checking air and oil levels; checking instrument panel; checking for unusual noises and smells; checking brakes and steering; checking horn, lights and warning systems; ensuring water tank is full; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

**Date Completed**

**Trainer's Signature**

**Trainee's Signature**

5043.05 Travel water truck to the job site, by following designated travel route; observing/complying with speed limits, traffic signals, signs and traffic procedures; travelling up-grade and down-grade; staying clear of pedestrian and vehicular traffic and obstacles; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

**Date Completed**

**Trainer's Signature**

**Trainee's Signature**

5043.06 Operate water truck, by observing/complying with speed limits, traffic signals, signs and traffic procedures; following designated travel route; controlling dust; refilling tank; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

**Date Completed**

**Trainer's Signature**

**Trainee's Signature**

**U5043.0      OPERATE WATER TRUCK (cont.)**

5043.07 Shut down water truck in an emergency situation, including: fire and injury, by shutting off engine and/or following other emergency procedures; reporting incident; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5043.08 Shut down water truck in a normal situation or when exiting vehicle, by parking vehicle in a designated area; setting wheel chocks; shutting off ignition and/or fuel supply; setting park brake; draining air tanks; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5043.09 Refuel water truck, by positioning water truck at refuelling station/area; shutting down and securing vehicle; preventing spills or damage to the environment; cleaning up spills; maintaining required ventilation; isolating and/or de-energizing energy source; ensuring refuelling area is free of ignition sources; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5043.10 Perform minor maintenance and adjustments on water truck, by lubricating equipment and attachments; maintaining fluid levels; ensuring replacement of belts and hoses; locking out and tagging; completing maintenance and/or deficiency report; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

Employer's Name

Employer's Signature

**U5044.0      OPERATE FORK LIFT****GENERAL PERFORMANCE OBJECTIVE**

Operate fork lift, by inspecting the workplace for hazardous and/or potentially hazardous conditions; conducting pre-operational checks on forklift; starting up fork lift; conducting operational checks on fork lift; travelling fork lift to the job site; operating fork lift; transporting materials and equipment; unloading materials and equipment; shutting down fork lift in an emergency situation; shutting down fork lift in a normal situation or when exiting vehicle; refuelling fork lift; and performing minor maintenance and adjustments on fork lift according to safety legislation, company standards and manufacturer specifications.

**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

**SKILLS**

5044.01      Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment, by removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5044.02      Conduct pre-operational checks on fork lift, while engine is stopped, by ensuring guards are in place; ensuring fire extinguisher(s) are in place and operational; checking drive belts and chains; checking fluid levels; checking forks and hoist assembly; checking tires, wheel studs/ nuts and wheel chocks; checking belts and hoses; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5044.0      OPERATE FORK LIFT (cont.)**

5044.03 Start up fork lift, by mounting using 3 point contact; ensuring parking/emergency brake is applied; ensuring controls are neutralized; activating engine/power supply and warning lights; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5044.04 Conduct operational checks on fork lift, by ensuring controls are in neutral; applying parking and/or emergency brake; lowering forks to ground; checking for unusual noises and smells; checking for leaks; checking horn, lights and warning systems; monitoring instrument panel; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5044.05 Travel fork lift to the job site, by following designated travel route; observing/complying with speed limits, traffic signals, signs and traffic procedures; travelling up-grade and down-grade; maintaining electrical clearance; staying clear of pedestrian and vehicular traffic and obstacles; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5044.06 Operate fork lift, by selecting gear and speed for travel; positioning vehicle; positioning forks for lift, using pallets and/or attachments; securing and balancing load; ensuring clearance for vehicle and load; ensuring clear path for machine movement; maintaining electrical clearance; handling hazardous materials; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5044.0      OPERATE FORK LIFT (cont.)**

5044.07 Transport materials and equipment, by driving vehicle with the forks/load in lowered travel position; driving forward or in reverse; ensuring maximum visibility and stability; observing/complying with speed limits, traffic signals, signs and traffic procedures; transporting hazardous materials; ensuring safety of self and others; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5044.08 Unload materials and equipment in the placement area, including: hazardous materials, by checking condition of the placement area; positioning vehicle in area; placing load in the area; ensuring clearance; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5044.09 Shut down fork lift in an emergency situation, including: fire and injury, by shutting off ignition and/or fuel supply and/or following other emergency procedures; reporting incident; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5044.10 Shut down fork lift in a normal situation or when exiting vehicle, by parking vehicle in a designated area; lowering forks to the ground; setting parking/emergency brake; setting wheel chocks; shutting off engine and/power supply; draining air tanks; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5044.0      OPERATE FORK LIFT (cont.)**

5044.11 Refuel fork lift, by positioning fork lift at refuelling station/area; shutting down and securing vehicle; preventing spills or damage to the environment; cleaning up spills; maintaining required ventilation; isolating and/or de-energizing energy source; ensuring refuelling area is free of ignition sources; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5044.12 Perform minor maintenance and adjustments on fork lift, by lubricating equipment and attachments; maintaining fluid levels; ensuring replacement of belts and hoses; locking out and tagging; completing maintenance and/or deficiency report; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

Employer's Name

Employer's Signature

**U5045.0      OPERATE PORTABLE CONVEYOR**

**GENERAL PERFORMANCE OBJECTIVE**

Operate portable conveyor, by inspecting the workplace for hazardous and/or potentially hazardous conditions; setting up and securing portable conveyor; conducting pre-operational checks on portable conveyor; performing maintenance on non-moving portable conveyor; starting up portable conveyor; ensuring belts on moving portable conveyor are trained; conducting operational checks on portable conveyor and parts; conveying materials; operating portable conveyor to stockpile materials; removing blockages; locking out and tagging portable conveyor for maintenance or repair; locking out and tagging portable diesel equipment; shutting down conveyor in an emergency situation; shutting down conveyor in a normal situation; and moving portable conveyor and components to a new location according to safety legislation, company standards and manufacturer specifications.

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

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Trainee's Name (Print)

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**SKILLS**

5045.01      Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment, by removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5045.02      Set up and secure portable conveyor, by positioning equipment on a firm and even base; blocking wheels; ensuring clearance for equipment operation; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5045.0      OPERATE PORTABLE CONVEYOR (cont.)**

5045.03      Conduct pre-operational checks on portable conveyor, while stopped, by using personal protective equipment; ensuring guards are in place and secure; ensuring pull cords are in place, secure and operational; checking trip switches, drive belts, chains, head, tail, take-up pulleys and idlers; checking lubricant levels; checking conveyor belt and accessories; checking conveyor supports, chutes and frame; checking for spills and obstructions; checking hoses; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5045.04      Perform maintenance on non-moving portable conveyor, by following lock-out and tag procedures; splicing and repairing belt as required; lubricating components; replacing rollers as required; removing excess spills; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5045.05      Start up portable conveyor, by activating start-up alarm; ensuring related systems are activated in sequence; activating start button(s), including: remote and local; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

**U5045.0      OPERATE PORTABLE CONVEYOR (cont.)**

5045.06      Ensure belts on moving portable conveyor are trained, by adjusting belts; following written procedures; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5045.07      Conduct operational checks on portable conveyor and components, by checking for unusual noises and smells; checking control switches; checking fluid levels; checking belt condition, including: alignment and tension; ensuring pull cords are in place, secure, and operational; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5045.08      Convey materials, by working from safe location; controlling material flow rate; relocating discharge points; ensuring alignment and adjustment of conveyor belt; relocating limit switch; ensuring minimal spills; completing report; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5045.09      Operate portable conveyor to stockpile materials, by following stockpile procedures, including: angle of repose, sampling, emergencies, distances and heights of stockpile and pedestrian and vehicular traffic; maintaining electrical clearance; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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**U5045.0      OPERATE PORTABLE CONVEYOR (cont.)**

5045.10 Remove blockages, by stopping portable conveyor; locking out and tagging portable conveyor; anticipating sudden movement of portable conveyor, components and/or feed; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5045.11 Lock out and tag portable conveyor for repair or maintenance, by shutting down portable conveyor; isolating power supply; ensuring zero energy; shutting off breaker/disconnect; attaching lock and tag to isolation bar or scissor and tagging; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5045.12 Lock out and tag portable diesel equipment, by isolating power supply; ensuring zero energy; ensuring clutch is locked out; attaching lock and tag to isolation bar or scissor; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5045.13 Shut down portable conveyor in an emergency situation, including: fire and injury, by activating pull cord; depressing stop button, or switch; deactivating related systems and/or following other emergency procedures; reporting incident; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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**U5045.0      OPERATE PORTABLE CONVEYOR (cont.)**

5045.14 Shut down portable conveyor in a normal situation, by communicating readiness to shut down; shutting down or deactivating related systems in sequence; emptying belt; depressing stop button; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5045.15 Move portable conveyor and components to a new location, by ensuring belt is empty; ensuring power supply is disconnected; locking wheels in position; getting assistance; and repairing and/or reporting deficiencies according to safety legislation company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

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Employer's Name

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Employer's Signature

**U5046.0****OPERATE STATIONARY CONVEYOR/ RADIAL STACKER CONVEYOR****GENERAL PERFORMANCE OBJECTIVE**

Operate stationary conveyor/radial stacker conveyor, by inspecting the workplace for hazardous and/or potentially hazardous conditions; conducting pre-operational checks on stationary conveyor/radial stacker conveyor; performing maintenance on non-moving stationary conveyor/radial stacker conveyor; starting up stationary conveyor/radial stacker conveyor; conducting operational checks on stationary conveyor/radial stacker conveyor; conveying materials; operating stationary conveyor/radial stacker conveyor to stockpile materials; ensuring belts on moving conveyor are trained; removing blockages; locking out and tagging stationary conveyor/radial stacker conveyor; shutting down stationary conveyor/radial stacker conveyor in an emergency situation; shutting down stationary conveyor/radial stacker conveyor in a normal situation; moving or adjusting stationary conveyor/radial stacker conveyor; and performing maintenance on non-moving conveyor/radial stacker conveyor according to safety legislation, company standards and manufacturer specifications.

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

**SKILLS****5046.01**

Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment, by removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5046.0      OPERATE STATIONARY CONVEYOR/ RADIAL STACKER CONVEYOR (cont.)**

5046.02      Conduct pre-operational checks on stationary conveyor/radial stacker conveyor, while stopped, by using personal protective equipment; ensuring guards are in place and secure; checking pull cords are in place, secure and operational; checking trip switches, drive belts, chains, head, tail, take-up pulleys and idlers; checking lubricant levels; checking conveyor belt and accessories; checking hoses; securing conveyor supports, chutes and frame; clearing spills and obstructions; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5046.03      Perform maintenance on non-moving stationary conveyor/radial stacker conveyor, by following lock out and tag procedures; splicing and repairing belts as required; lubricating components; replacing rollers as required; removing excess spills; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5046.04      Start up stationary conveyor/radial stacker conveyor, by activating start-up alarm; ensuring related systems are activated in sequence; activating start button; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

**U5046.0      OPERATE STATIONARY CONVEYOR/RADIAL STACKER CONVEYOR (cont.)**

5046.05      Conduct operational checks on stationary conveyor/radial stacker conveyor and components, by checking for unusual noises and smells; checking control switches; checking fluid levels; checking belt condition, including: alignment and tension; ensuring pull cords are in place, secure and operational; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5046.06      Convey materials, by working from a safe location; controlling material flow rate; relocating discharge points; ensuring alignment and adjustment of conveyor belt; relocating limit switch; ensuring minimal spills; completing report; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5046.07      Operate stationary conveyor/radial stacker conveyor to stockpile materials, by following stockpile procedures, including: angle of repose, sampling, emergencies, distances and heights of stockpile, pedestrian and vehicular traffic; maintaining electrical clearance; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5046.08      Ensure belts on moving stationary conveyor/radial stacker conveyor are trained, by adjusting belts; following written procedures; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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**U5046.0      OPERATE STATIONARY CONVEYOR/RADIAL STACKER CONVEYOR (cont.)**

5046.09 Remove blockages, by stopping stationary conveyor/radial stacker conveyor; locking out stationary conveyor/radial stacker conveyor; anticipating sudden movement of conveyor, components and/or feed; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5046.10 Lock out and tag stationary conveyor/radial stacker conveyor, for repair or maintenance, by shutting down stationary conveyor/radial stacker conveyor; isolating power supply; ensuring zero energy; shutting off breaker/disconnect; attaching lock and tag to isolation bar or scissor; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5046.11 Shut down stationary conveyor/radial stacker conveyor in an emergency situation, including: fire and injury, by activating pull cord; depressing stop button or switch; deactivating related systems and/or following other emergency procedures; reporting incident; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5046.12 Shut down stationary conveyor/radial stacker conveyor in a normal situation, by communicating readiness to shut down; shutting down or deactivating related systems in sequence; emptying belt; depressing stop button; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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**U5046.0      OPERATE STATIONARY CONVEYOR/RADIAL STACKER CONVEYOR (cont.)**

5046.13      Move or adjust stationary conveyor/radial stacker conveyor, by ensuring path is clear of materials, personnel and vehicles; guarding area; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5046.14      Perform maintenance on non-moving stationary conveyor/radial stacker conveyor, by following lock out and tag procedures; splicing and repairing belt as required; lubricating components; replacing rollers as required; removing excess spills; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

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Employer's Name

Employer's Signature

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**U5047.0      OPERATE PORTABLE CRUSHER**

**GENERAL PERFORMANCE OBJECTIVE**

Operate portable crusher, by inspecting the workplace for hazardous and/or potentially hazardous conditions; setting up and securing portable crusher; conducting pre-operational checks on portable crusher; starting up portable crusher; conducting operational checks on portable crusher; operating portable crusher; ensuring product flow and product quality; removing blockages; locking out and tagging portable crusher for repair or maintenance; locking out and tagging portable diesel equipment; performing maintenance on portable crusher; shutting down portable crusher in an emergency situation; shutting down portable crusher in a normal situation; and moving portable crusher and components to a new location according to safety legislation, company standards and manufacturer specifications.

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print) \_\_\_\_\_ Trainee's Name (Print) \_\_\_\_\_

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**SKILLS**

5047.01      Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment, by removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed \_\_\_\_\_

Trainer's Signature \_\_\_\_\_

Trainee's Signature \_\_\_\_\_

5047.02      Set up and secure portable crusher, by ensuring a firm and even base; ensuring clearances for equipment and attachment operation; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed \_\_\_\_\_

Trainer's Signature \_\_\_\_\_

Trainee's Signature \_\_\_\_\_

**U5047.0      OPERATE PORTABLE CRUSHER (cont.)**

5047.03      Conduct pre-operational checks on portable crusher, while stopped, by using personal protective equipment; ensuring guards are in place and secure; checking drive belts and chains; checking lubricant levels; checking chutes and frame; checking for spills and obstructions; checking hoses; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5047.04      Start up portable crusher, by ensuring related systems are activated in sequence; activating lubrication system, cooling system and start button; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5047.05      Conduct operational checks on portable crusher, by checking control switches; checking for build-up and/or obstructions; checking lubrication system(s); checking crusher setting; ensuring guards are in place and secure; checking ammeters; checking for unusual noises and smells; checking for leaks; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

**U5047.0      OPERATE PORTABLE CRUSHER (cont.)**

5047.06      Operate portable crusher, by working from a safe location; adjusting setting(s); opening gates/chutes; controlling speed of feeder; controlling air quality; using water sprays; completing report/log; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5047.07      Ensure product flow and product quality, by adjusting portable crusher components, including: settings of crusher and feeder; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5047.08      Remove blockages, by stopping portable crusher; locking out portable crusher; anticipating sudden movement of crusher and/or feed; following special procedures for when jamming/bridging occurs; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5047.09      Lock out and tag portable crusher for repair or maintenance, by shutting down crusher; isolating power supply; ensuring zero energy; shutting off breaker/disconnect; attaching lock and tag to isolation bar or scissor; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

**U5047.0      OPERATE PORTABLE CRUSHER (cont.)**

5047.10 Lock out and tag portable diesel equipment, by isolating power supply; ensuring zero energy; ensuring clutch is locked out; attaching lock and tag to isolation bar or scissor; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5047.11 Perform maintenance on portable crusher, by locking out and tagging portable crusher; adjusting fluid levels and drive belts; lubricating components; removing excess spills; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5047.12 Shut down portable crusher in an emergency situation, including: fire and injury, by depressing stop button/switch; deactivating related systems and/or following other emergency procedures; reporting incident; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5047.13 Shut down portable crusher in a normal situation, by communicating readiness to shut down; shutting down or deactivating related systems in sequence; emptying crusher; depressing stop button; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

**U5047.0      OPERATE PORTABLE CRUSHER (cont.)**

5047.14      Move portable crusher and components to a new location, by ensuring crusher is empty; ensuring power supply is disconnected; locking wheels; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

Employer's Name

Employer's Signature

**U5048.0 OPERATE STATIONARY CRUSHER****GENERAL PERFORMANCE OBJECTIVE**

Operate stationary crusher, by inspecting the workplace for hazardous and/or potentially hazardous conditions; conducting pre-operational checks on stationary crusher; starting up stationary crusher; conducting operational checks on stationary crusher; operating stationary crusher; ensuring product flow and product quality; removing blockages; locking out and tagging stationary crusher; locking out and tagging diesel equipment; performing maintenance on stationary crusher; shutting down stationary crusher in an emergency situation; and shutting down stationary crusher in a normal situation according to safety legislation, company standards and manufacturer specifications.

**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

**SKILLS**

5048.01 Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment, by removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5048.02 Conduct pre-operational checks on stationary crusher, while stopped, by using personal protective equipment; ensuring guards are in place and secure; checking drive belts and chains; checking lubricant levels; checking chutes and frame; checking for spills and obstructions; checking hoses; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5048.0      OPERATE STATIONARY CRUSHER (cont.)**

5048.03 Start up stationary crusher, by ensuring related systems are activated in sequence; activating lubrication system, cooling system and start button; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5048.04 Conduct operational checks on stationary crusher, by checking control switches; checking for build-up and/or obstructions; checking lubrication system(s); checking crusher setting; ensuring guards are in place and secure; checking for unusual noises and smells; checking for leaks; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5048.05 Operate stationary crusher, by working from a safe location; adjusting settings; opening gates/chutes; controlling speed of feeder and conveyor; controlling air quality; using water sprays; completing report/log; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5048.06 Ensure product flow and product quality, by adjusting stationary crusher components, including: settings of crusher and feeder; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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**U5048.0      OPERATE STATIONARY CRUSHER - Cont'd**

5048.07 Remove blockages, by stopping stationary crusher; locking out and tagging stationary crusher; anticipating sudden movement of crusher and/or feed; following special procedures when jamming/bridging occurs; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5048.08 Lock out and tag stationary crusher for repair or maintenance, by shutting down crusher; isolating power supply; ensuring zero energy; shutting off breaker/disconnect; attaching lock and tag to isolation bar or scissor; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5048.09 Lock out and tag diesel equipment, by isolating power supply; ensuring zero energy; ensuring clutch is locked out; attaching lock and tag to isolation bar or scissor; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5048.10 Perform maintenance on stationary crusher, by locking out and tagging equipment; adjusting fluid levels and drive belts; lubricating components; removing excess spills; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

**U5048.0      OPERATE STATIONARY CRUSHER (cont.)**

5048.11    Shut down stationary crusher in an emergency situation, including: fire and injury, by depressing stop button/switch; deactivating related systems and/or following other emergency procedures; reporting incident; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5048.12    Shut down stationary crusher in a normal situation, by communicating readiness to shut down; deactivating related systems; shutting down or deactivating in sequence; emptying crusher; depressing stop button; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

Employer's Name

Employer's Signature

**U5049.0      OPERATE PORTABLE SCREEN**

**GENERAL PERFORMANCE OBJECTIVE**

Operate portable screen, by inspecting the workplace for hazardous and/or potentially hazardous conditions; setting up and securing portable screen; conducting pre-operational checks on portable screen; starting up portable screen; conducting operational checks on portable screen; operating portable screen; locking out and tagging portable screen for repair or maintenance; locking out and tagging portable diesel equipment; removing blockages; performing maintenance on portable screen; shutting down portable screen in an emergency situation; shutting down portable screen in a normal situation; and moving portable screen and components to a new location according to safety legislation, company standards and manufacturer specifications.

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

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**SKILLS**

5049.01      Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment, by removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

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5049.02      Set up and secure portable screen, by ensuring a firm and even base; ensuring clearance for equipment and components; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5049.0      OPERATE PORTABLE SCREEN (cont.)**

5049.03      Conduct pre-operational checks on portable screen, by using personal protective equipment; ensuring guards are in place and secure; ensuring fire extinguisher(s) are in place and operational; checking drive belts and screen; checking hangers/cables; checking dust seals, feed and discharge points; checking shaft covers and superstructure; communicating readiness to start up; checking hoses; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5049.04      Start up portable screen, by ensuring related systems are activated in sequence; activating start button/switch; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5049.05      Conduct operational checks on portable screen, by checking for unusual noises and smells; checking control switches; ensuring covers are tight and secure; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

---

Date Completed

Trainer's Signature

Trainee's Signature

**U5049.0      OPERATE PORTABLE SCREEN (cont.)**

5049.06      Operate portable screen, by working from a safe location; relocating discharge points; ensuring minimal spills; checking size and separation of feed; completing report/log; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5049.07      Lock out and tag portable screen for repair or maintenance, by shutting down screen; isolating power supply; ensuring zero energy; shutting off breaker/disconnect; attaching lock and tag to isolation bar or scissor; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5049.08      Lock out and tag portable diesel equipment, by isolating power supply; ensuring zero energy; ensuring clutch is locked out; attaching lock and tag to isolation bar or scissor; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5049.09      Remove blockages, by shutting down and locking out portable screen operation; anticipating sudden movement of screen, components and/or feed; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature   Trainee's Signature

**U5049.0      OPERATE PORTABLE SCREEN (cont.)**

5049.10      Perform maintenance on portable screen, by locking out and tagging portable screen; changing components, including: screen cloth, side plates and drive belts; lubricating components; removing excess spills; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5049.11      Shut down portable screen in an emergency situation, including: fire and injury, by depressing stop button/switch; deactivating related systems and/or following other emergency procedures; reporting incident; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5049.12      Shut down portable screen in a normal situation, by communicating readiness to shut down; shutting down or deactivating related systems in sequence; emptying screen; depressing stop button; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5049.13      Move portable screen and components to a new location, by ensuring screen is empty; disconnecting power; locking wheels in position; seeking assistance; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

Employer's Name

Employer's Signature

**U5050.0      OPERATE STATIONARY SCREEN****GENERAL PERFORMANCE OBJECTIVE**

Operate stationary screen, by inspecting the workplace for hazardous and/or potentially hazardous conditions; conducting pre-operational checks on stationary screen; starting up stationary screen; conducting operational checks on stationary screen; operating stationary screen; locking out and tagging stationary screen for repair or maintenance; locking out and tagging diesel equipment; removing blockages; performing maintenance on stationary screen; shutting down stationary screen in an emergency situation; and shutting down stationary screen in a normal situation according to safety legislation, company standards and manufacturer specifications.

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

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**SKILLS**

5050.01 Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment, by removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5050.02 Conduct pre-operational checks on stationary screen, by using personal protective equipment; ensuring guards are in place and secure; ensuring fire extinguisher(s) are in place and operational; checking drive belts and screen; checking hangers/cables; checking dust seals, feed and discharge points; checking shaft cover, screen and superstructure; checking hoses; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5050.0      OPERATE STATIONARY SCREEN (cont.)**

5050.03 Start up stationary screen, by ensuring related systems are activated in sequence; activating start button/switch; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5050.04 Conduct operational checks on stationary screen, by checking for unusual noises and smells; checking control switches; ensuring covers are tight and secure; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5050.05 Operate stationary screen, by working from a safe location; relocating discharge points; ensuring minimal spills; checking size and separation of feed; completing report/log; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5050.06 Lock out and tag stationary screen for repair or maintenance, by shutting down screen; isolating power supply; ensuring zero energy; shutting off breaker/disconnect; attaching lock and tag to isolation bar or scissor; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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**U5050.0 OPERATE STATIONARY SCREEN (cont.)**

5050.07 Lock out and tag diesel equipment, by isolating power supply; ensuring zero energy; ensuring clutch is locked out; attaching lock and tag to isolation bar or scissors; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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**Date Completed**

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**Trainer's Signature**

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**Trainee's Signature**

5050.08 Remove blockages, by shutting down and locking out stationary screen operation; anticipating sudden movement of screen, components and/or feed; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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**Date Completed**

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**Trainer's Signature**

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**Trainee's Signature**

5050.09 Perform maintenance on stationary screen, by locking out and tagging equipment; changing components, including: screen cloth, side plates and drive belts; lubricating components; removing excess spills; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

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**Trainer's Signature**

**Trainee's Signature**

**U5050.0      OPERATE STATIONARY SCREEN (cont.)**

5050.10 Shut down stationary screen in an emergency situation, including: fire and injury, by depressing stop button or switch; deactivating related systems and/or following other emergency procedures; reporting incident; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5050.11 Shut down stationary screen in a normal situation, by communicating readiness to shut down; shutting down or deactivating related systems in sequence; emptying screen; depressing stop button; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

Employer's Name

Employer's Signature

**U5051.0      OPERATE GENERATOR OVER 10 kVA****GENERAL PERFORMANCE OBJECTIVE**

Operate generator over 10 kVA, by inspecting the workplace for hazardous and/or potentially hazardous conditions; conducting pre-operational checks on generator; operating generator; conducting operational checks on generator; shutting down generator in an emergency situation; shutting down generator in a normal situation; refuelling generator and; performing minor maintenance and adjustments on generator according to safety legislation, company standards and manufacturer specifications.

**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

**SKILLS**

5051.01      Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment, by removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5051.02      Conduct pre-operational checks on generator, using personal protective equipment, by checking fuel tank level; checking lubricant levels; ensuring fire extinguisher(s) are in place and operational; setting up equipment on an even base; ensuring equipment is secure; checking wires, grounding and connections; checking belts and hoses; checking direction of exhaust flow; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5051.0      OPERATE GENERATOR OVER 10 kVA (cont.)**

5051.03 Operate generator, by starting up engine; ensuring no load condition; monitoring ventilation levels; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5051.04 Conduct operational checks on generator, by checking for unusual noises, smells and vibrations; monitoring generator gauges; ensuring lubricants and fluids are at required levels; checking direction of exhaust flow; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5051.05 Shut down generator in an emergency situation, including: fire and injury, by shutting off engine and/or fuel supply and/or following other emergency procedures; reporting incident; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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5051.06 Shut down generator in a normal situation, by ensuring related equipment is shut down first; shutting off engine and/or fuel supply; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed	Trainer's Signature	Trainee's Signature
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**U5051.0      OPERATE GENERATOR OVER 10 kVA (cont.)**

5051.07 Refuel generator, by shutting off generator and related equipment; preventing spills or damage to the environment; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed \_\_\_\_\_ Trainer's Signature \_\_\_\_\_ Trainee's Signature \_\_\_\_\_

5051.08 Perform minor maintenance and adjustments on generator, by lubricating equipment; maintaining fluid levels; ensuring replacement of belts and hoses; locking out and tagging; completing maintenance and/or deficiency report; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed \_\_\_\_\_ Trainer's Signature \_\_\_\_\_ Trainee's Signature \_\_\_\_\_

Employer's Name \_\_\_\_\_ Employer's Signature \_\_\_\_\_

**U5052.0      OPERATE PORTABLE PUMP**

**GENERAL PERFORMANCE OBJECTIVE**

Operate portable pump, by inspecting the workplace for hazardous and/or potentially hazardous conditions; conducting pre-operational checks on portable pump; setting up portable pump, starting up portable pump; operating portable pump; monitoring portable pump operation; shutting down portable pump; refuelling portable pump; and performing minor maintenance and adjustments on portable pump according to safety legislation, company standards and manufacturer specifications.

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

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**SKILLS**

5052.01      Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment, by removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5052.02      Conduct pre-operational checks on portable pump, using personal protective equipment, by checking component including: fuel tank, fluid levels, connections and cables, belts and hoses; inspecting casing and safety devices; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5052.0      OPERATE PORTABLE PUMP - Cont'd**

5052.03 Set up portable pump, by checking position and condition of intake and discharge hose; checking direction of exhaust flow and ventilation; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5052.04 Start up portable pump, by priming equipment; activating start button/switch, and/or pull cord; checking discharge pressure; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5052.05 Operate portable pump, by controlling rate and direction of flow from discharge lines; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5052.06 Monitor portable pump operation, by checking for excessive vibration; checking for unusual noises and smells; checking for leaks; checking lubrication levels; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5052.0      OPERATE PORTABLE PUMP (cont.)**

5052.07 Shut down portable pump, by shutting off engine and/or fuel supply and/or following emergency procedures; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5052.08 Refuel portable pump, by positioning pump at refuelling station/area; shutting down and securing equipment; preventing spills or damage to the environment; cleaning up spills; maintaining required ventilation; isolating and/or de-energizing energy source; ensuring refuelling area is free of ignition sources; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5052.09 Perform minor maintenance and adjustments on portable pump, by lubricating equipment and attachments; maintaining fluid levels; ensuring replacement of belts and hoses; locking out and tagging; completing maintenance and/or deficiency report; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

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Employer's Name

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Employer's Signature

**U5053.0      OPERATE COMPRESSOR****GENERAL PERFORMANCE OBJECTIVE**

Operate compressor, by inspecting the workplace for hazardous and/or potentially hazardous conditions; conducting pre-operational checks on compressor; starting up compressor; conducting operational checks on compressor; shutting down compressor in an emergency; shutting down compressor in a normal situation; refuelling compressor; and performing minor maintenance and adjustments on compressor according to safety legislation, company standards and manufacturer specifications.

**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

**SKILLS**

5053.01 Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment, by removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5053.02 Conduct pre-operational checks on compressor, using personal protective equipment, by checking fluid and lubricant levels; ensuring fire extinguisher(s) are in place and operational; ensuring set-up is secure and on an even base; checking wires, grounding, connections, hoses, belts, couplings and guards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5053.0      OPERATE COMPRESSOR (cont.)**

5053.03 Start up compressor, by ensuring required ventilation and lighting; starting up motor/engine; checking direction of exhaust flow; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5053.04 Conduct operational checks on compressor, by checking for unusual noises and smells; checking for excessive vibrations; checking lubricant and fluid levels; checking for air leaks; monitoring gauges; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5053.05 Shut down compressor in an emergency situation, including: fire and injury, by shutting off compressor and/or following other emergency procedures; reporting incident; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5053.06 Shut down compressor in a normal situation, by deactivating stop switch/button; opening valve to drain tank; checking that compressor and lines are free of water and air; draining lines before disconnection; disconnecting hoses; checking and storing lines and electrical cable; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

**U5053.0      OPERATE COMPRESSOR (cont.)**

5053.07      Refuel compressor, by positioning compressor at refuelling station/area; shutting down and securing equipment; preventing spills or damage to the environment; cleaning up spills; maintaining required ventilation; isolating and/or de-energizing energy source; ensuring refuelling area is free of ignition sources; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5053.08      Perform minor maintenance and adjustments on compressor, by lubricating equipment and attachments; maintaining fluid levels; ensuring replacement of belts and hoses; locking out and tagging; completing maintenance and/or deficiency report; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

Employer's Name

Employer's Signature

**U5054.0 OPERATE PRODUCTION DRILL****GENERAL PERFORMANCE OBJECTIVE**

Operate production drill, by inspecting the workplace for hazardous and/or potentially hazardous conditions; laying out production drill pattern; conducting pre-operational checks on carrier, drill and attachments; starting up production drill; conducting operational checks on carrier, drill and attachments; travelling production drill to the job site; setting up production drill; drilling bench to specified depths; inspecting drilling for accuracy; maintaining production drill steel and attachments; refuelling production drill; performing maintenance on production drill; storing drilling equipment in designated area; and documenting drill operation according to safety legislation, company standards and manufacturer specifications.

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

**SKILLS**

5054.01 Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment and electrical storms, by removing hazards and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5054.02 Lay out production drill pattern, by determining surface to be drilled; preparing bench; extending air and water services as required; checking for and handling bootlegs or misholes; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5054.0      OPERATE PRODUCTION DRILL (cont.)**

5054.03      Conduct pre-operational checks on carrier, drill and attachments, using personal protective equipment, by ensuring fire extinguisher(s) are in place and operational; checking boom(s), pins, belts and hoses; ensuring moisture is drained from air system; checking drill steel and centralizer; checking boom, drill and cable reels; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5054.04      Start up production drill, by activating power supply; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5054.05      Conduct operational checks on carrier, drill and attachments, by checking for unusual noises and smells; checking for leaks; inspecting attachments, including: carousels, hoses and cables; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications

Date Completed	Trainer's Signature	Trainee's Signature
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5054.06      Travel production drill to the job site, by following designated travel route; observing/complying with speed limits, traffic signals, signs and traffic procedures; travelling up-grade and down-grade; staying clear of pedestrian and vehicular traffic and obstacles; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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**U5054.0      OPERATE PRODUCTION DRILL (cont.)**

5054.07 Set up production drill, by locating and securing drill; following drill pattern; ensuring stabilizers are fully extended and down; ensuring stable footing; connecting hoses and power supply; ensuring safety devices are in place; checking lubricant; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5054.08 Drill bench to specified depths, by staying on line and grade; following layout; monitoring feed pressure; noting and reporting significant increases in rates of penetration; maintaining secure drilling set-up; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5054.09 Inspect drilling for accuracy to design, by measuring depth of drill holes, burden, spacing and inclination; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5054.10 Maintain production drill steel and attachments, by inspecting drill steel and attachments; changing drill steel and attachments as required; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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**U5054.0      OPERATE PRODUCTION DRILL (cont.)**

5054.11      Refuel production drill, by positioning drill at refuelling station/area; shutting down and securing vehicle; preventing spills or damage to the environment; cleaning up spills; maintaining required ventilation; isolating and/or de-energizing energy source; ensuring refuelling area is free of ignition sources; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5054.12      Perform maintenance on production drill, by maintaining tracks and/or tires; checking fluids; ensuring replacement of belts and hoses; checking dust and suppression systems; checking masts; inspecting lubricating equipment and attachments; locking out and tagging; completing maintenance and/or deficiency report; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5054.13      Store drilling equipment in designated area, by coiling and storing as required; storing steel and attachments; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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5054.14      Document drill operation, by completing clear and concise reports including: drill records, pre/post drill reports, and repair or maintenance reports; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed	Trainer's Signature	Trainee's Signature
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Employer's Name	Employer's Signature
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**U5055.0      HANDLE BLASTING AGENTS, EXPLOSIVES AND  
DETONATORS****GENERAL PERFORMANCE OBJECTIVE**

Handle blasting agents, explosives and detonators, by loading required amounts of blasting agents, explosives and detonators onto carrier; transporting blasting agents, explosives and detonators; observing/complying with guarding procedures while working and travelling in loading area of blast; and storing blasting agents, explosives and detonators according to safety legislation, mining regulations, the Explosives Act of Canada, company standards and manufacturer specifications. **NOTE: Workers/trainees must have a thorough understanding of all applicable acts and legislation pertaining to blasting prior to completing this module.**

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

**SKILLS**

5055.01 Load required amounts of blasting agents, explosives and detonators, onto carrier, by maintaining a prescribed area around blasting agents, explosives and detonators free of smoking, fire or ignition sources; following lifting procedures when lifting material to be moved; reporting amount of blasting agents, explosives and detonators; and repairing and/or reporting deficiencies according to safety legislation, mining regulations, the Explosives Act of Canada, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5055.02 Transport blasting agents, explosives and detonators, by selecting designated containers; ensuring transporting vehicle is in good condition; ensuring placards and/or signals are in place; placing and securing blasting agents, explosives and detonators; ensuring required separation; travelling designated travel route; observing/complying with speed limits, traffic signals, signs and traffic procedures; and repairing and/or reporting deficiencies according to safety legislation, mining regulations, the Explosives Act of Canada, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5055.0      HANDLE BLASTING AGENTS, EXPLOSIVES AND  
DETONATORS (cont.)**

5055.03      Observe/comply with guarding procedures while working and travelling in loading area of blast, by remaining at the post if employed as a guard until instructed otherwise by person in charge of blast; vacating area of blast as required; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5055.04      Store blasting agents, explosives and detonators, by using approved storage procedures, including: first in first out, storing required amount of materials in each magazine, maintaining storage area clear, securing and locking storage magazine and reporting amount of blasting agents, explosives, and detonators stored; and repairing and/or reporting deficiencies according to safety legislation, mining regulations, the Explosives Act of Canada, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

Employer's Name

Employer's Signature

**U5056.0      BLAST ROCK****GENERAL PERFORMANCE OBJECTIVE**

Blast rock, by inspecting the workplace for hazardous and/or potentially hazardous conditions; guarding area; checking drill holes in preparation for loading; de-watering holes; selecting type and quantity of explosive materials for the job; handling detonators/blasting caps, primers, packaged explosives and bulk explosives; loading blast; ensuring connections are secure while following blast design; connecting blast; ensuring blast area is clear of people and equipment; initiating blast; conducting post-firing checks; and documenting blast as required according to safety legislation, company standards and manufacturer specifications. **NOTE:**

**Workers/trainees must have a thorough understanding of all applicable acts and legislation pertaining to blasting prior to completing this module.**

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

**SKILLS**

5056.01      Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment and electrical storms, by removing hazards and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5056.02      Guard area, by instructing and placing guards; clearing area of personnel and general public; locating and protecting equipment; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

**U5056.0      BLAST ROCK (cont.)**

5056.03 Check drill holes in preparation for loading, by measuring holes for depth, burden, spacing and inclination; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5056.04 De-water holes, by pumping and/or blowing holes to ensure blast hole preparation; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5056.05 Select type and quantity of explosive materials for the job, to ensure breakage of material/rock, by following blast design; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5056.06 Handle detonators/blasting caps, primers, packaged explosives, and bulk explosives, by maintaining a prescribed area around blasting agents, explosives and detonators free of smoking, fire or ignition sources; following lifting procedures when lifting material to be moved; reporting the amount of blasting agents, explosives and detonators; and repairing and/or reporting deficiencies according to safety legislation, mining regulations, the Explosives Act of Canada, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5056.0      BLAST ROCK (cont.)**

5056.07 Load blast, by following blast design; laying out detonators; preparing primers; loading hole(s); measuring collars(s); stemming holes and decking as required; ensuring removal and storage of surplus explosives and/or blasting materials; and repairing and/or reporting deficiencies according to safety legislation, mining regulations, the Explosives Act of Canada, company standards and manufacturer specifications

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Date Completed

Trainer's Signature

Trainee's Signature

5056.08 Ensure connections are secure while following blast design, by inspecting detonators and lines; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5056.09 Connect blast, by ensuring circuit integrity; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

5056.10 Ensure blast area is clear of people and equipment, by communicating readiness to blast; initiating the start up warning; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

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Date Completed

Trainer's Signature

Trainee's Signature

**U5056.0      BLAST ROCK (cont.)**

5056.11      Initiate blast, by following blasting design/procedures; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5056.12      Conduct post-firing checks, by confirming detonation; waiting prescribed re-entry time; checking for and identifying misholes, overhangs and back break; taking corrective action; sounding the "all clear"; removing barricades; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5056.13      Document blast as required, by recording data, including: design data for the blast, date, time, location, weather conditions, amount and type of blasting materials used; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

Employer's Name

Employer's Signature

**U5057.0 OPERATE FLAME CUTTING EQUIPMENT****GENERAL PERFORMANCE OBJECTIVE**

Operate flame cutting equipment, by inspecting the workplace for hazardous and/or potentially hazardous conditions; preparing flame cutting equipment and supplies for transport; assembling flame cutting equipment; conducting pre-operational checks on flame cutting equipment; preparing workplace; operating flame cutting equipment; shutting down flame cutting equipment; removing flame cutting equipment; and storing flame cutting equipment according to safety legislation, company standards and manufacturer specifications.

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**PERFORMANCE OBJECTIVES**

Trainer's Name (Print)

Trainee's Name (Print)

**SKILLS**

5057.01 Inspect the workplace for hazardous and/or potentially hazardous conditions, including: unauthorized personnel and/or equipment, by ensuring hot work permission was obtained as required; removing and/or guarding hazards and/or potential hazards; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5057.02 Prepare flame cutting equipment and supplies for transport, by ensuring valve protection cap is in place and secure; rolling cylinders on bottom edge; loading and securing equipment and supplies on transport vehicle; securing cylinders upright; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5057.0      OPERATE FLAME CUTTING EQUIPMENT (cont.)**

5057.03 Assemble flame cutting equipment, by ensuring required size and types of tips; connecting regulators, hoses and torches; ensuring connections are tight and leak proof; ensuring hoses conform to colour code; leaving key wrenches as required in cylinders that are being used; cracking cylinder valves; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5057.04 Conduct pre-operational checks on flame cutting equipment, by ensuring fire extinguisher(s) are in place and operational; ensuring connections are tight and leak proof; checking that cylinders are secure; checking hoses and gauges; following handling procedures; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5057.05 Prepare workplace, using personal protective equipment, by monitoring ventilation and lighting; removing and/or wetting down combustibles; ensuring fire extinguishing media are available for post-flame cutting fire prevention; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5057.06 Operate flame cutting equipment, by working from a safe location; positioning and securing equipment; ensuring tip is clean; purging equipment prior to lighting torch; igniting tip; monitoring flame; ensuring required oxygen and fuel pressure(s); and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

**U5057.0      OPERATE FLAME CUTTING EQUIPMENT (cont.)**

5057.07 Shut down flame cutting equipment, by closing oxygen/acetylene cylinder valves in sequence (acetylene first); releasing pressure from oxygen hose and regulator; opening acetylene valve on torch to release pressure from hose and regulator; securing valve protection caps; wetting down cuttings and adjacent areas; following "hot work" procedures; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5057.08 Remove flame cutting equipment and supplies, by ensuring valve protection caps are in place and secure; rolling cylinders on bottom edge; securing cylinders upright; loading, balancing and securing flame cutting equipment and supplies on transport; transporting as required; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

5057.09 Store flame cutting equipment and supplies, by unloading flame cutting equipment and supplies; returning them to designated storage area; and repairing and/or reporting deficiencies according to safety legislation, company standards and manufacturer specifications.

Date Completed

Trainer's Signature

Trainee's Signature

Employer's Name

Employer's Signature

### **GLOSSARY OF MINING TERMS**

AIR BLAST:	A wave or rush of air that results when there is an explosion.
ANGLE OF REPOSE:	Maximum angle of a stable slope, internal angle to horizontal.
BACK BREAK:	A post blast fault created behind the last row of holes.
BARRICADE:	A closure/restriction to any opening.
BENCH:	A horizontal ledge or step, (sometimes called a seam which forms a single level of operation) also a section of rock that has open faces on top and on one or more side.
BERM:	A ridge used to provide separation.
BIN:	Enclosure to provide storage of aggregate.
BIT:	The cutting edge of a drill steel.
BLAST HOLE:	Drilled hole in which explosives and blasting agent is placed in.
BLAST(ING):	Use of explosives to break rock or material.
BLASTING AGENT:	Explosive material designed to be used in the blasting process.
BLASTING AREA:	Cleaning out a drill hole using compressed air in preparation for blasting.
BOOM:	Physical extension to a piece of equipment.
BURDEN:	Measured space between a blast hole and the nearest open face.
CHARGE:	Explosive ,detonator and a primer that is exploded as a single unit.
CHUTE:	A device used to direct/control the flow of material.

<b>COLLAR:</b>	The upper portion of a drilled blast hole which is not loaded with explosives.
<b>CONVEYOR BELT:</b>	Mechanical device used to transfer material from a receiving point to a discharge point.
<b>CRUSHER:</b>	Machine used to reduce the size of ore by compression or impact .
<b>CUT OFF:</b>	Portion of a blast which has been separated from the main blast.
<b>DECK:</b>	Portion of a Blast hole column which is not loaded with explosives but separates two sections of the column which are loaded with explosives.
<b>DELAY DETONATOR:</b>	A detonation device that initiates a delayed explosion after a predetermined period of time.
<b>DETONATE:</b>	To cause an explosive agent or mixture to explode.
<b>DETONATOR:</b>	A device used in firing a charge of Explosive.
<b>DRAW POINT:</b>	Opening through which material passes.
<b>DRILL:</b>	A machine used to produce boreholes for blasting.
<b>DRILL BIT:</b>	Cutting edge of a drill steel used to cut circular holes in rock.
<b>DRILL HOLE:</b>	Drilled hole in which explosive charges or blasting agents are placed.
<b>EMERGENCY PULL CORD:</b>	A line installed at accessible locations along a means of which the conveyor can be stopped.
<b>ESCAPEWAY/EMERGENCY MANWAY:</b>	An opening by which persons may leave the workplace if normal exits are obstructed.
<b>EXPLOSIVE:</b>	Substance that is made, manufactured or used to produce an explosion or detonation and includes gunpowder, propellant powder, dynamite, detonating cord, shock tube, blasting agent, slurry, water gel, and detonator.

<b>FACE:</b>	Vertical surface created in an open pit mine by the extraction of ore.
<b>FALL ARREST SYSTEM:</b>	Suitable combination of a full body harness, lanyard, an anchor and a rope grabbing device or lifeline. A system used to prevent someone from landing, should a fall occur.
<b>FIRING:</b>	Detonating an explosive.
<b>FLAME CUTTING</b>	Use of Oxy-Acetylene, Oxy-Propane torches.
<b>FLOOR:</b>	Lowest Established working area of a surface mine.
<b>GRIZZLY:</b>	Series of bars, rails used to size material.
<b>GUARD:</b>	A fixture or attachment used to prevent inadvertent access to a hazardous area.
<b>IDLERS:</b>	Rollers on a conveyor on which belting rides.
<b>INCLUDING:</b>	For example.
<b>LAGGING:</b>	Coating placed on conveyor pulleys or rollers to prevent slipping.
<b>LIFELINE:</b>	Part of a fall arrest system.
<b>LOCK AND TAG EQUIPMENT:</b>	Equipment used for the sole purpose of de-energizing power.
<b>LOCKOUT AND TAG:</b>	Documented procedures to prevent inadvertent energizing of equipment.
<b>MAGAZINE:</b>	A building place or structure in which an explosive is kept or stored.
<b>MUCK:</b>	Rock that has been broken by blasting.
<b>OPERATING MINE:</b>	Any work or undertaking for the purpose of opening up, proving, or extracting any metallic or non-metallic mineral or mineral bearing substance, rock, earth, clay, sand and gravel.

OVERBURDEN:	Material on top of ore body.
PULL CORD:	A cord running along a conveyor at accessible locations by means of which the conveyor can be stopped.
RAMP:	An inclined travelway.
SCREEN:	A mechanical means of separating material sizes.
SEISMIC MONITORING:	Electronically sensing ground movement and decibel levels.
SPACING:	The distance between drill holes.
START UP ALARM:	An audible signal to alert workers that a piece of equipment is about to start.
STEMMING:	Materials used in the collar of a blast hole to contain the energy caused by blasting.
STOCKPILE:	Stores of unconsolidated material.
THREE POINT CONTACT:	A procedure for climbing that allows for the use of at least 2 feet and 1 hand or 2 hands and 1 foot at all times.
TRIP SWITCHES:	A re-settable switch connected to a pull cord.
VOIDS:	Air spaces between aggregate material.
WHEEL CHOCK:	A device used to prevent a wheel from rotating.
ZERO ENERGY STATE:	Completed absence of electrical, hydraulic, pneumatic, stored or potential energy.



